

CONSTRUCTION CHEMISTRY **FASTENING** EFFICIENCY WINDOW FITTING SUSTAINABILITY SEALANTS FLOOR THRESHOLDS DOOR LOCKS STATICS PRE-WALL INSTALLATION PLANNING CONSTRUCTION SITE MANUFACTURE TOOL WINDOW SILL SEALING FLOOR RECESS CLEANER **FALL ARREST PROTECTION** FIRE CLASS **INSTALLATION** PRODUCTION AEROSOLS RENOVATION CLEANER MULTIFUNCTIONAL TAPES PU FOAMS PRODUCT RANGE APPLICATION CONSTRUCTION CHEMISTRY FASTENING EFFICIENCY WINDOW FITTING

## **FASTENING AND SEALING** for window and door installation Issue 2024

MULTIFUNCTIONAL TAPES PU FOAMS PRODUCT RANGE APPLICATION CONSTRUCTION CHEMISTRY FASTENING EFFICIENCY WINDOW FITTING **SUSTAINABILITY** SEALANTS FLOOR THRESHOLDS DOOR LOCKS STATICS PRE-WALL INSTALLATION PLANNING CONSTRUCTION SITE MANUFACTURE TOOL WINDOW SILL **SEALING** FLOOR RECESS CLEANER FALL ARREST PROTECTION FIRE CLASS **INSTALLATION** PRODUCTION AEROSOLS RENOVATION MULTIFUNCTIONAL TAPES PU FOAMS PRODUCT RANGE APPLICATION CONSTRUCTION CHEMISTRY FASTENING EFFICIENCY WINDOW FITTING SUSTAINABILITY



**blaugelb** 

Die Kundenmarke.



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# Frame Screw Fix FK-T30

The Frame Screw Fix – part of the blaugelb Trio**therm**<sup>+</sup> System.

The blaugelb Frame Screw Fix FK-T30 for faster and **more precise screwing** with maximum reliability.



The blaugelb Frame Screw Fix FK-T30 is the universal fastener for no-plug, efficient installation of construction elements made of wood, PVC, aluminium and wood/aluminium into a wide variety of substrates (concrete, sand-lime brick, solid brick, wood, lightweight concrete, aerated concrete, vertically perforated brick).

The blaugelb Frame Screw Fix FK-T30 is especially suitable for the following applications:

- Direct fastening for strainless installation of windows and doors
- Suitable for all frame materials
- Can be used without lateral spacer chocks (verified by technical tests)
- Fastening load-transferring blaugelb Trio**therm**<sup>+</sup> Profiles and auxiliary mounting brackets and supports

## Product benefits:

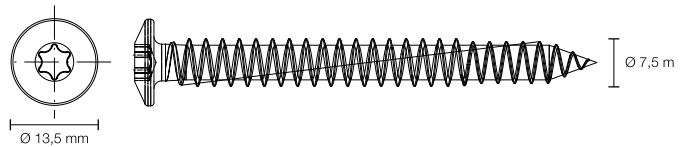
- Established and industry-proven fastening
- Tapered thread tip reduces screw-in torques
- Universal use in a wide range of common building materials\*
- RC 2 tested, generally suitable for RC 2 tested and approved construction elements
- Distance fastening without lateral chocking (with test certificate)
- Suitable for clamping assembly
- Optimum transmission of the screw-in torques by TX drive

\*A table with screw-in depths for various reveals and substrates is available on page 6.

Choosing the right length of screw:

$$\begin{aligned}
 &\text{Grip length (e.g. frame or profile width)} \\
 &+ \text{joint width (recommendation } \leq 15 \text{ mm)} \\
 &+ \text{screw-in depth (depending on construction material, see tech. data sheet)} \\
 &\text{-----} \\
 &= \text{screw length}
 \end{aligned}$$

Material:	Case-hardened carbon steel (C1022)
Surface:	White galvanised, blue passivated
Thread:	Tapping-screw thread with tapered tip
Diameter:	7.5 mm
Diameter of head:	13.5 mm
Drive:	TX T30
Head shape:	Flat head



Product name	PU	Item no.
blaugelb Frame Screw Fix FK-T30 7.5x42 mm galv.	100 pieces	0422310
blaugelb Frame Screw Fix FK-T30 7.5x62 mm galv.	100 pieces	0422314
blaugelb Frame Screw Fix FK-T30 7.5x72 mm galv.	100 pieces	0422318
blaugelb Frame Screw Fix FK-T30 7.5x82 mm galv.	100 pieces	0422319
blaugelb Frame Screw Fix FK-T30 7.5x92 mm galv.	100 pieces	0422320
blaugelb Frame Screw Fix FK-T30 7.5x102 mm galv.	100 pieces	0422321
blaugelb Frame Screw Fix FK-T30 7.5x112 mm galv.	100 pieces	0422324
blaugelb Frame Screw Fix FK-T30 7.5x122 mm galv.	100 pieces	0422325
blaugelb Frame Screw Fix FK-T30 7.5x132 mm galv.	100 pieces	0422327
blaugelb Frame Screw Fix FK-T30 7.5x152 mm galv.	100 pieces	0422329
blaugelb Frame Screw Fix FK-T30 7.5x182 mm galv.	100 pieces	0422331
blaugelb Frame Screw Fix FK-T30 7.5x212 mm galv.	100 pieces	0422333
blaugelb Frame Screw Fix FK-T30 7.5x252 mm galv.	50 pieces	0423707
blaugelb Frame Screw Fix FK-T30 7.5x300 mm galv.	50 pieces	0422334
blaugelb Frame Screw Fix FK-T30 7.5x350 mm galv.	50 pieces	9035135
blaugelb Frame Screw Fix FK-T30 7.5x400 mm galv.	50 pieces	9035136



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## Frame Screw Fix ZK-T30

The multifunctional, no-plug frame fastening for direct fastening in a variety of building materials.

The blaugelb Frame Screw Fix ZK-T30 for faster and **more precise screwing** with maximum reliability.



The blaugelb Frame Screw Fix ZK-T30 is the universal fastener for no-plug, efficient installation of construction elements made of wood, PVC, aluminium and wood/aluminium into a wide variety of substrates (concrete, sand-lime brick, solid brick, wood, lightweight concrete, aerated concrete, vertically perforated brick).

The blaugelb Frame Screw Fix ZK-T30 is especially suitable for the following applications:

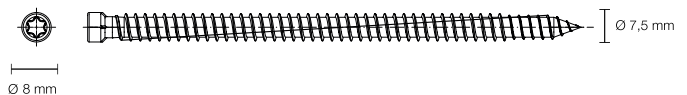
- Direct fastening for strainless installation of windows and doors
- Suitable for all frame materials
- Can be used without lateral spacer chocks (verified by technical tests)
- Used preferably in wood and wood/aluminium windows

### Product benefits:

- Established and industry-proven fastening
- Tapered thread tip reduces screw-in torques
- Universal use in a wide range of common building materials\*
- RC 2 tested, generally suitable for RC 2 tested and approved construction elements
- Distance fastening without lateral chocking (with test certificate)
- Suitable for clamping assembly
- Optimum transmission of the screw-in torques by TX drive
- Optimum head shape prevents splicing of wooden frame materials

\*A table with screw-in depths for various reveals and substrates is available on page 6.

Material:	Case-hardened carbon steel (C1022)
Surface:	White galvanised, blue passivated
Thread:	Tapping-screw thread with tapered tip
Diameter:	7.5 mm
Diameter of head:	8 mm
Drive:	TX T30
Head shape:	Cylinder head



Product name	PU	Item no.
blaugelb Frame Screw Fix ZK-T30 7.5x42 mm galv.	100 pieces	0423708
blaugelb Frame Screw Fix ZK-T30 7.5x62 mm galv.	100 pieces	0423709
blaugelb Frame Screw Fix ZK-T30 7.5x72 mm galv.	100 pieces	0423710
blaugelb Frame Screw Fix ZK-T30 7.5x82 mm galv.	100 pieces	0423711
blaugelb Frame Screw Fix ZK-T30 7.5x92 mm galv.	100 pieces	0423712
blaugelb Frame Screw Fix ZK-T30 7.5x102 mm galv.	100 pieces	0423713
blaugelb Frame Screw Fix ZK-T30 7.5x112 mm galv.	100 pieces	0423714
blaugelb Frame Screw Fix ZK-T30 7.5x122 mm galv.	100 pieces	0423715
blaugelb Frame Screw Fix ZK-T30 7.5x132 mm galv.	100 pieces	0423716
blaugelb Frame Screw Fix ZK-T30 7.5x152 mm galv.	100 pieces	0423717
blaugelb Frame Screw Fix ZK-T30 7.5x182 mm galv.	100 pieces	0423718
blaugelb Frame Screw Fix ZK-T30 7.5x212 mm galv.	100 pieces	0423719
blaugelb Frame Screw Fix ZK-T30 7.5x252 mm galv.	50 pieces	0423720
blaugelb Frame Screw Fix ZK-T30 7.5x300 mm galv.	50 pieces	0423721

# Frame Screw Fix FK-T30 ER

Frame Screw Fix made of stainless steel – a component of the blaugelb systems.

The blaugelb Frame Screw Fix FK-T30 ER for faster and **more precise screwing** with maximum reliability.



The blaugelb Frame Screw Fix FK-T30 ER is the universal fastener for no-plug, efficient installation of construction elements made of wood, PVC, aluminium and wood/aluminium into a wide variety of substrates (concrete, sand-lime brick, solid brick, wood, lightweight concrete, aerated concrete, vertically perforated brick).

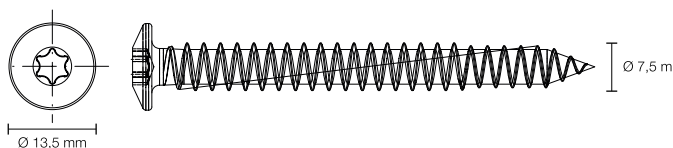
The blaugelb Frame Screw Fix FK-T30 ER is especially suitable for the following applications:

- Direct fastening for stainless installation of windows and doors
- Suitable for all frame materials
- Fastening load-transferring blaugelb Trio**therm**\* Profiles and auxiliary mounting brackets and supports

## Product benefits:

- Established and industry-proven fastening
- Tapered thread tip reduces screw-in torques
- Universal use in a wide range of common building materials
- Suitable for clamping assembly
- Optimum transmission of the screw-in torques by TX drive

Material:	Stainless steel A2
Surface:	Stainless
Diameter:	7.5 mm
Diameter of head:	13.5 mm
Drive:	TX T30
Head shape:	Flat head



Product name	PU	Item no.
blaugelb Frame Screw Fix FK-T30 ER 7.5x62 mm	100 pieces	9187141
blaugelb Frame Screw Fix FK-T30 ER 7.5x112 mm	50 pieces	9187436
blaugelb Frame Screw Fix FK-T30 ER 7.5x132 mm	50 pieces	9187438
blaugelb Frame Screw Fix FK-T30 ER 7.5x152 mm	50 pieces	9187439
blaugelb Frame Screw Fix FK-T30 ER 7.5x182 mm	50 pieces	9187440

## Screw-in depths for our frame screws fix:

Hole depth = screw-in depth +10 mm

Choosing the right length of screw:

$$\begin{aligned}
 &\text{Grip length (e.g. frame or profile width)} \\
 &+ \text{joint width (recommendation } \leq 15 \text{ mm)} \\
 &+ \text{screw-in depth (depending on construction material, see tech. data sheet)} \\
 &\text{-----} \\
 &= \text{screw length}
 \end{aligned}$$

Jamb, substrate	Drill hole diameter	Screw-in depth	Rotary drilling	Impact drilling
Concrete	6.5 mm	40 mm		<b>x</b>
Sand-lime brick	6.5 mm	60 mm		<b>x</b>
Solid brick	6.0 mm	60 mm	<b>x</b>	
Wood	6.0 mm	60 mm	<b>x</b>	
Lightweight concrete LC6	6.0 mm	60 mm	<b>x</b>	
Aerated concrete PP2	No pre-drilling	210 mm	-	
Aerated concrete PP4/6	No pre-drilling	180 mm	-	
Vertically perforated brick	6.0 mm	min. 180 mm	<b>x</b>	
Highly insulated vertically perforated brick	5.0 mm	min. 180 mm	<b>x</b>	

\*Due to the varying microstructures, we also recommend carrying out corresponding pretests.

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## Frame Screw Fix ZK-T30 ER

The multifunctional, no-plug frame fastening for direct fastening in a variety of building materials.

The blaugelb Frame Screw Fix ZK-T30 for faster and **more precise screwing** with maximum reliability.



The blaugelb Frame Screw Fix ZK-T30 ER is the universal fastener for no-plug, efficient installation of construction elements made of wood, PVC, aluminium and wood/aluminium into a wide variety of substrates (concrete, sand-lime brick, solid brick, wood, lightweight concrete, aerated concrete, vertically perforated brick).

The blaugelb Frame Screw Fix ZK-T30 ER is especially suitable for the following applications:

- Direct fastening for strainless installation of windows and doors
- Suitable for all frame materials
- Material is particularly suited for areas with sea air/salt water as these are otherwise susceptible to rapid surface corrosion
- Used preferably in wood and wood/aluminium windows

### Product benefits:

- Established and industry-proven fastening
- Tapered thread tip reduces screw-in torques
- Universal use in a wide range of common building materials\*
- Suitable for clamping assembly
- Optimum transmission of the screw-in torques by TX drive
- Optimum head shape prevents splicing of wooden frame materials

\*A table with screw-in depths for various reveals and substrates is available on page 6.

Material:	Stainless steel A2
Surface:	Stainless
Diameter:	7.5 mm
Diameter of head:	8 mm
Drive:	TX T30
Head shape:	Cylinder head



Product name	PU	Item no.
blaugelb Frame Screw Fix ZK-T30 ER 7.5x132 mm	50 pieces	9187454
blaugelb Frame Screw Fix ZK-T30 ER 7.5x152 mm	50 pieces	9187455
blaugelb Frame Screw Fix ZK-T30 ER 7.5x182 mm	50 pieces	9187456

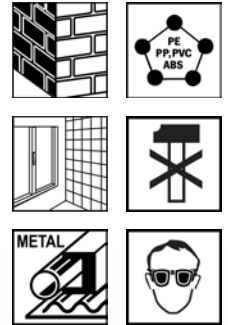
### Ideal accessories:

#### STROXX SDS-Plus hammer drill 4 Cut

- Robust carbide tip with four cutting edges, guaranteed precise round drill holes, ideal for the safe anchoring of fasteners
- Suitable for masonry, concrete and reinforced concrete
- Suitable for all hammer drills with SDS plus mounts

Product name	PU	Item no.
STROXX SDS-Plus hammer drill 4 CUT 6.0 x 160 mm	1 piece	9073264
STROXX SDS-Plus hammer drill 4 CUT 6.0 x 210 mm	1 piece	9073265
STROXX SDS-Plus hammer drill 4 CUT 6.0 x 260 mm	1 piece	9073266
STROXX SDS-Plus hammer drill 4 CUT 6.0 x 310 mm	1 piece	9073267
STROXX SDS-Plus hammer drill 4 CUT 6.5 x 160 mm	1 piece	9073268
STROXX SDS-Plus hammer drill 4 CUT 6.5 x 210 mm	1 piece	9073269
STROXX SDS-Plus hammer drill 4 CUT 6.5 x 260 mm	1 piece	9073270
STROXX SDS-Plus hammer drill 4 CUT 6.5 x 310 mm	1 piece	9073271

Proven performance especially with difficult substrates – the **blaugelb UniPro Universal Drill**.



The blaugelb UniPro Universal Drill has been specially developed for drilling into vertically perforated bricks with a low compressive strength. Its special hard metal blade makes drilling into vertically perforated bricks quick, easy and precise. The drilling action does not allow any uncontrolled cracks to form, preventing the hollow webs from bursting open. At the same time, however, it can also develop its full potential and is convincing right down the line when used with other substrates.

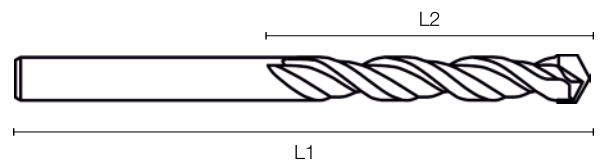
The 4-fold spiral enables drilling dust to be removed quickly and reliably.

### Product benefits:

- Working length up to 300 mm
- 4-fold spiral for rapid removal of the drilling dust
- Specially sharpened hard metal plate
- Long service life
- Suitable for rapid drilling

Material:	Tool steel
Surface:	Premium surface treatment
Accuracy class:	High precision
Drill bit:	Specially sharpened hard metal plate
Spiral:	4-fold spiral
Mounting:	Round shaft
Diameter:	5.0 or 6.0 mm
Packing unit:	1 piece in tube

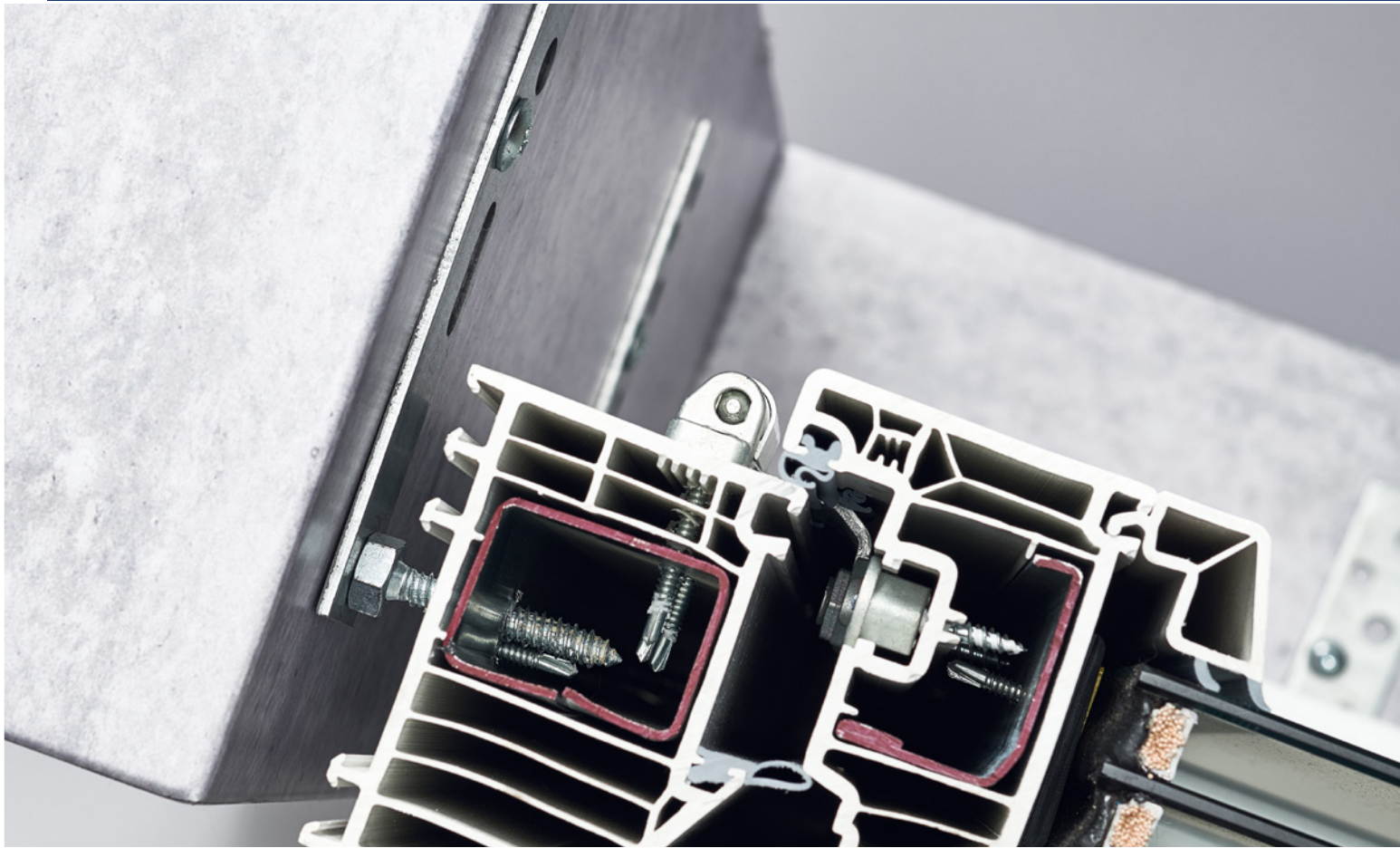
Product name	Length L1	Length L2	PU	Item no.
blaugelb UniPro Universal Drill 5.0x250x180	250 mm	180 mm	25 x 1 piece	0432274
blaugelb UniPro Universal Drill 5.0x350x300	350 mm	300 mm	30 x 1 piece	0432275
blaugelb UniPro Universal Drill 5.0x400x300	400 mm	300 mm	30 x 1 piece	0432276
blaugelb UniPro Universal Drill 6.0x250x180	250 mm	180 mm	25 x 1 piece	9190821
blaugelb UniPro Universal Drill 6.0x350x300	350 mm	300 mm	30 x 1 piece	9190822
blaugelb UniPro Universal Drill 6.0x400x300	400 mm	300 mm	30 x 1 piece	9190823



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## Protect fastening system

Tested safety, for a good feeling.



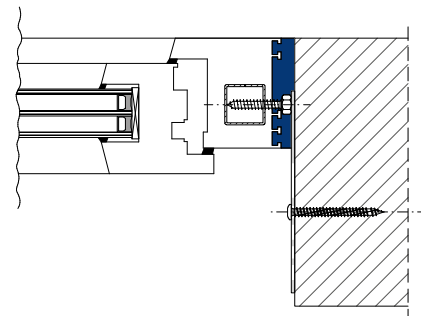
## Planning reliability with the blaugelb Protect system

The tested blaugelb Protect fastening system enables building components to be attached adjustably, without the use of wedges and with craftsmanship quality. It also meets safety-relevant requirements.

The blaugelb Protect fastening system can be combined with all sealing systems.

## Tested characteristics:

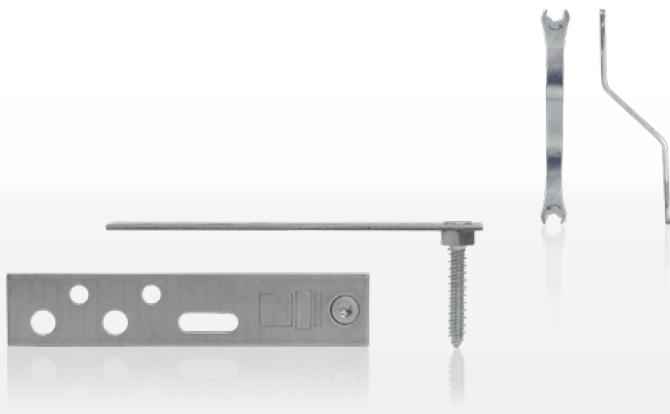
- **Fall arrest in accordance with the ETB guideline**  
"Components providing fall arrest protection"
- **RC 3 tested**  
Generally suitable for RC 3 tested and approved construction elements
- Horizontal rated values for resistance



Material	Frame Screw Fix FK-T30
Hollow brick (HLZ), SFK 8	7.5 x 182 mm
Hollow brick (HLZ), SFK 12	7.5 x 182 mm
Sand-lime brick, SFK 12	7.5 x 62 mm
Concrete, C25	7.5 x 42 mm
Aerated concrete PP4, SFK 4	7.5 x 182 mm
Aerated concrete PP6, SFK 6	7.5 x 182 mm
Aerated concrete PP2, SFK 2 with blaugelb Protect Y solution	7.5 x 212 mm
Solid structural timber, C24	7.5 x 62 mm

- Adjust easily and fasten securely
- Adjustable, and therefore variable in joint widths
- Fastenings permanently suitable for use
- Secure fastening, even with high element weights
- Compliant displacement of anchoring plane away from the at-risk edge area of the anchoring base
- Ideally suited for use in combination with multifunctional tape
- No side spacer blocks required
- Tested for fastening of fall arrester elements
- Invisible fastening with the sash open
- Ideal fastening for fixed glazed elements (without removing window glass)
- Perforation optionally for frame fixing screw or wall-plug system installation
- Static rated resistances to suction/pressure
- Vertical load introduction
- Can be pre-mounted in the factory





The tested blaugelb Protect fastening system enables construction elements to be attached adjustably, without the use of wedges and with craftsmanship quality. At the same time, it is used for fastening components (elements) with fall-arresting characteristics.

The blaugelb Protect fastening system can be combined with all sealing systems.



The blaugelb Protect fastening system is a simple but adjustable fastening for wood, plastic and aluminium windows which can be fitted around the edges at any required attachment point. The required attachment points of the construction elements and their spacing to one another is guided by the general fitting guidelines (e.g. current RAL "Installation Guidelines, Chapter 5"), taking account of the window weights and, if applicable, the anticipated additional loads.

Thanks to the low reveal depth of approx. 30 mm, blaugelb Protect 70 is suitable for the renovation of old buildings or for the installation of reveals made of exposed concrete, for example. This reveal depth can be covered with the use of a chamber profile. The adhesive and sealant blaugelb Hybrid Polymer Power Fix forms the airtight level during installation on the one hand, while also fixing the chamber profile.

blaugelb Protect 70 is also used in assembly in timber framework and for Y-assembly in vertically perforated bricks and Poroton, as these versions generally have a small reveal depth.

### Technical data:

Material:	White galvanised strip steel
Hole diameter:	8.05 mm for fastening using blaugelb Frame Screw Fix FK-T30 10.5 mm for fastening using a wall-plug system dia. 10 mm
Longitudinal perforation length:	25 mm
Adjusting screw:	Integrated, pivotable 7.5 x 35/45/50/60/70/90 mm T30, white galvanised with tightened hexagonal nut
Adjustment:	Using the tightened hexagon nut with <b>blaugelb Spanner galv.</b> (not included in scope of delivery)
Fastening to building structure:	blaugelb Frame Screw Fix FK-T30 x L or wall-plug system dia. 10 mm
Preliminary drilled hole in window frame:	Blind hole, facing the installation joint; Frame type: PVC: <b>Ø 5/6 mm</b> , wood: <b>Ø 6 mm</b> , aluminium: <b>Ø 5 mm</b>
Reinforcement in window frame (plastic):	At least 1.5 mm, screw-fastening of reinforcement as per profile system specifications

Product name	PU	Item no.
blaugelb Protect Offset Adjusting Screw 70/35 mm	50 pieces	9279292
blaugelb Protect Offset Adjusting Screw 70/45 mm	50 pieces	9279314
blaugelb Protect Offset Adjusting Screw 70/50 mm	50 pieces	9279316
blaugelb Protect Offset Adjusting Screw 70/60 mm	50 pieces	9279318
blaugelb Protect Offset Adjusting Screw 70/70 mm	30 pieces	9279320
blaugelb Protect Offset Adjusting Screw 70/90 mm	30 pieces	9279322
blaugelb Protect Adjusting Screw 70/35 mm	50 pieces	9279291
blaugelb Protect Adjusting Screw 70/45 mm	50 pieces	9279293
blaugelb Protect Adjusting Screw 70/50 mm	50 pieces	9279315
blaugelb Protect Adjusting Screw 70/60 mm	50 pieces	9279317
blaugelb Protect Adjusting Screw 70/70 mm	50 pieces	9279319
blaugelb Protect Adjusting Screw 70/90 mm	50 pieces	9279321
blaugelb Protect Offset Adjusting Screw 100/35 mm	50 pieces	9072634
blaugelb Protect Offset Adjusting Screw 100/45 mm	50 pieces	9190694
blaugelb Protect Offset Adjusting Screw 100/50 mm	50 pieces	9072635
blaugelb Protect Offset Adjusting Screw 100/60 mm	50 pieces	9190695
blaugelb Protect Offset Adjusting Screw 100/70 mm	30 pieces	9072636
blaugelb Protect Offset Adjusting Screw 100/90 mm	30 pieces	9072637
blaugelb Protect Offset Adjusting Screw 150/35 mm	50 pieces	9066758
blaugelb Protect Offset Adjusting Screw 150/45 mm	50 pieces	9190352
blaugelb Protect Offset Adjusting Screw 150/50 mm	50 pieces	9066759
blaugelb Protect Offset Adjusting Screw 150/60 mm	50 pieces	9190353
blaugelb Protect Offset Adjusting Screw 150/70 mm	30 pieces	9068749
blaugelb Protect 150/35 mm	50 pieces	0428828
blaugelb Protect 150/45 mm	50 pieces	9190350

blaugelb

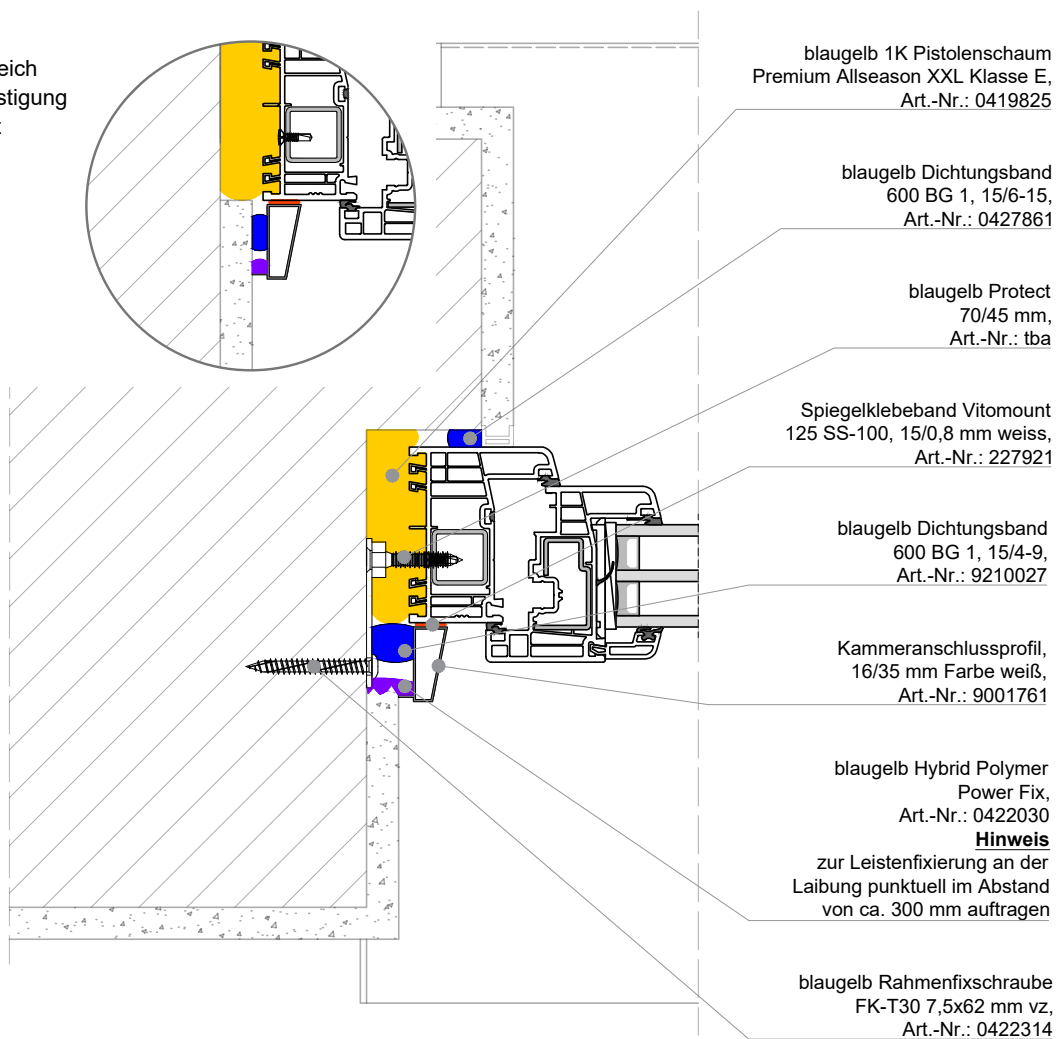
## Protect fastening system

Tested safety, for a good feeling.

Product name	PU	Item no.	Product name	PU	Item no.
blaugelb Protect 150/50 mm	50 pieces	0428830	blaugelb Protect 280/50 mm	25 pieces	0428839
blaugelb Protect 150/60 mm	50 pieces	9190351	blaugelb Protect 280/70 mm	25 pieces	0428840
blaugelb Protect 150/70 mm	50 pieces	0428831	blaugelb Protect 280/90 mm	25 pieces	0428841
blaugelb Protect 150/90 mm	50 pieces	0428832	blaugelb Protect Spanner galv.	1 piece	9205757
blaugelb Protect 150/without adjusting screw	50 pieces	0428833	blaugelb Frame Screw Fix FK-T30 7.5x42 mm galv.	100 pieces	0422310
blaugelb Protect 220/35 mm	25 pieces	0428834	blaugelb Frame Screw Fix FK-T30 7.5x62 mm galv.	100 pieces	0422314
blaugelb Protect 220/50 mm	25 pieces	0428835	blaugelb Frame Screw Fix FK-T30 7.5x132 mm galv.	100 pieces	0422327
blaugelb Protect 220/70 mm	25 pieces	0428836	blaugelb Frame Screw Fix FK-T30 7.5x182 mm galv.	100 pieces	0422331
blaugelb Protect 220/90 mm	25 pieces	0428837	blaugelb Frame Screw Fix FK-T30 7.5x212 mm galv.	100 pieces	0422333
blaugelb Protect 280/35 mm	25 pieces	0428838			

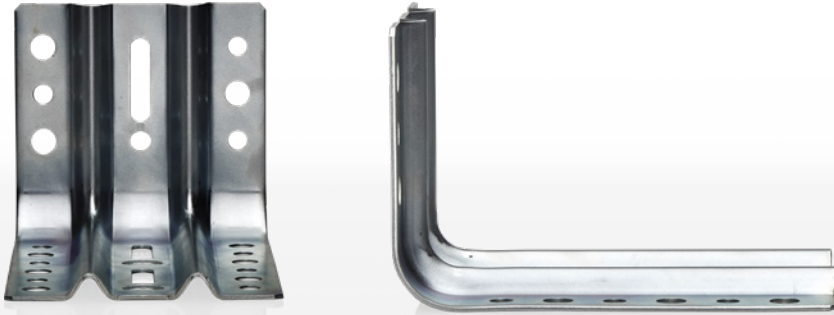
## blaugelb Protect 70 mm – renovation of old buildings in the supporting wall structure:

Schnittdetail im Bereich  
außerhalb der Befestigung  
mit blaugelb Protect



### Tested in the following ensemble:

Frame or threshold element, blaugelb Plinth Thermal Insulation Profiles, blaugelb Assembly Bracket, blaugelb Frame Screw Fix FK-T30



The attachment of window elements is subject to stringent requirements with regard to the transmission of forces from wind loads, dead weights of the construction elements and useful loads to special loads. It must be possible to statically measure the connections of the fixing and connecting means to be used in respect of the building's specific requirements. See "RAL LZM chap. 5" (as at 03/2014). This requirement under the recognised state of the art also applies for blaugelb Assembly Brackets in their many different applications.

### Product benefits:

- Various hole diameters for receiving screw/dowel systems in a variety of anchor bases/solid wall materials
- Offset hole pattern gives high flexibility for attachment points in construction elements/building structures
- End-to-end configuration of the hole pattern allows the required edge distances of the screw fasteners in the wall material to be observed at all times
- Slots for adjusting the connecting means in two planes and for accommodating structural tolerances
- High corrosion protection
- Extensive test series permit static measurement serving as evidence of anchoring
- Brackets are available with various shank lengths, allowing a wide spectrum of use
- Brackets can be used on both sides to suit the particular construction situation
- Factory profiling of the brackets allows high force absorption and resistance to deformation
- Adjust easily and fasten securely
- Secure fastening, even with high element weights
- Tested for fastening of fall arrester elements
- Offset hole pattern in both 8.0 mm and 10.5 mm, ensuring that the screw connection does not meet the steel reinforcement
- Slots for fixing and alignment
- Slots for fixing and alignment in vertical and horizontal direction
- Easy to mould the sealing sheets

### Tested characteristics:

- ETB directive: 1985 and DIN 4103-1: 2015 in ensemble
  - blaugelb Plinth Thermal Insulation Profiles PVC/TK
  - blaugelb Plinth Thermal Insulation Profiles EPS
  - blaugelb Plinth Thermal Insulation Profiles IHP/EPS
  - blaugelb Assembly Bracket
  - blaugelb Frame Screw Fix FK-T30
  - floor-level elements installation situation – window frame wood, PVC, aluminium
  - floor-level elements installation situation – threshold systems
  - floor-level elements installation situation – lifting/sliding door systems
- Horizontal load introduction
- Static rated resistances to suction/pressure

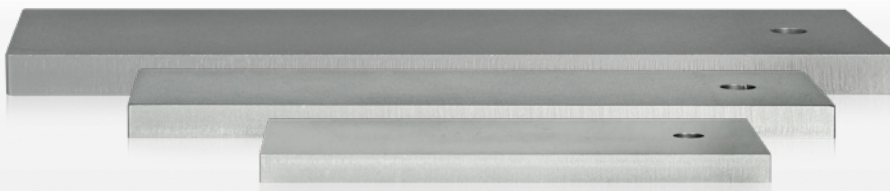
Material:	Cold-rolled DC01-A-m
Surface:	Galvanised
Material thickness:	2 mm
Total thickness of assembly bracket:	10.8 mm
Lengths:	40, 80, 156.5, 200, 240 mm
Packing unit:	25, 40, 50 or 100 pieces

Product name	PU	Item no.
blaugelb Assembly Bracket 40x60 mm	100 pieces	9068972
blaugelb Assembly Bracket 80x100 mm	50 pieces	9068973
blaugelb Assembly Bracket 156.5x100 mm	40 pieces	9069054
blaugelb Assembly Bracket 200x100 mm	25 pieces	9069055
blaugelb Assembly Bracket 240x100 mm	25 pieces	9069056
blaugelb Frame Screw Fix FK-T30 7.5x42 mm galv.	100 pieces	0422310
blaugelb Frame Screw Fix FK-T30 7.5x62 mm galv.	100 pieces	0422314

blaugelb

# Steel Plates

For the load transfer of window elements in the area of bearing thermal insulation elements.



blaugelb Steel Plates are specially designed for the load transfer of window elements in the area of bearing thermal insulation elements (e.g. Isokorb®) that help to minimise thermal bridges to projecting components.

The blaugelb Steel Plate is the ideal solution to ensure compliant and professional installation on anchor bases that do not offer enough space for the installation of pre-wall installation systems.

If faced masonry is already present and a pre-wall installation system can therefore not be installed in the conventional manner, we recommend using blaugelb Steel Plates for the vertical load introduction.

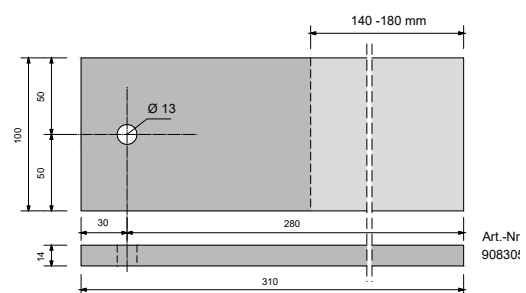
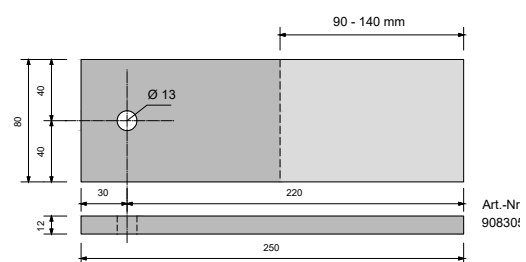
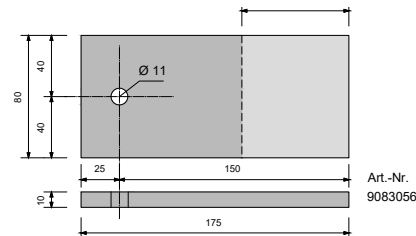
They are secured using a fischer bolt anchor FBZ:

blaugelb article designation	fischer fixing set
Steel Plate 175x80x10 mm	FBZ 10/20 item no. 9035321, drill Ø 10 mm
Steel Plate 250x80x12 mm	FBZ 12/20 item no. 9035323, drill Ø 12 mm
Steel Plate 310x100x14 mm	FBZ 12/20 item no. 9035323, drill Ø 12 mm

## Product benefits:

- Three standard versions for a cantilever/air gap max. 90 mm, 140 mm, 180 mm or eccentric load axis up to max. 50 mm, 100 mm, 140 mm
- Adopts the function of a rigid wall anchor (as described in LzM 2020-03 on page 144/145)
- Easy and fast handling (only one hole necessary in the anchor base)
- Easy introduction of load above the insulation layer
- Suitable for all standard uses above the insulation layer
- To be used in front of the bearing wall (insulation layer)
- No special production
- Protected against corrosion (galvanised)

Material:	Steel S235JR
Surface:	Galvanised
Material thickness:	10 / 12 / 14 mm
Dimensions:	175x80x10 / 250x80x12 / 310x100x14 mm
Packing unit:	1 piece



Product name	PU	Item no.
blaugelb Steel Plate 175 x 80 x 10 mm	1 piece	9083056
blaugelb Steel Plate 250 x 80 x 12 mm	1 piece	9083057
blaugelb Steel Plate 310 x 100 x 14 mm	1 piece	9083058

## Coupling Screw FK-T30 with drilling bit

For coupling and connecting window elements.



As a result of structural and/or static requirements, window elements must be connected to supplemental profiles and/or other windows. The blaugelb Coupling Screw FK-T30 offers a long-term mechanical connection with reliable seating that can be removed again. The self-tapping blaugelb Coupling Screw enables quick and easy coupling of steel-reinforced plastic window elements, construction elements made of aluminium or steel. The connection to (static) couplings and extension profiles incorporated in the system is made possible by the high drilling capacity of up to 6 mm.

The special flat head with integrated T30 drive reflects the appearance and feel of the window fastening in the structure of the blaugelb Frame Screw Fix. As a result, all attachment points located within the window frame rabbet have an identical look.

### Product benefits:

- Easy to work with due to ideal power transmission and vertical alignment thanks to the deep shape of the T30 driving feature
- Drilling bit guarantees the best possible drilling capacity (up to 6 mm) in steel reinforcement and aluminium profiles
- Identical head to the blaugelb Frame Screw Fix FK, offers a harmonious appearance in the window rabbet, no need to change the bit due to different drive sizes
- Installation possible at the construction site and during window production
- 5.5 mm diameter for a stable connection and high transverse load resistance
- Thread and drilling bit length are adapted to the conventional PVC/aluminium window profiles
- Partial thread with long, threadless shaft for the connection of two frame profiles

Material:	Steel
Surface:	Galvanised, blue passivated, with sliding coating
Thread:	Partial thread
Thread length:	Incl. drilling bit 30 mm
Diameter:	5.5 mm
Diameter of head:	13.5 mm
Drive:	TX T30
Head shape:	Flat head

Product name	PU	Item no.
blaugelb Coupling Screw TX 30 5.5x40 mm	100 pieces	9190668
blaugelb Coupling Screw TX 30 5.5x45 mm	100 pieces	9190669
blaugelb Coupling Screw TX 30 5.5x50 mm	100 pieces	9190670
blaugelb Coupling Screw TX 30 5.5x55 mm	100 pieces	9190671
blaugelb Coupling Screw TX 30 5.5x60 mm	100 pieces	9190672
blaugelb Coupling Screw TX 30 5.5x70 mm	100 pieces	9190673
blaugelb Coupling Screw TX 30 5.5x80 mm	100 pieces	9190704
blaugelb Coupling Screw TX 30 5.5x90 mm	100 pieces	9190705
blaugelb Coupling Screw TX 30 5.5x100 mm	100 pieces	9190706
blaugelb Coupling Screw TX 30 5.5x110 mm	100 pieces	9190707
blaugelb Coupling Screw TX 30 5.5x120 mm	100 pieces	9190708
blaugelb Coupling Screw TX 30 5.5x130 mm	100 pieces	9190709
blaugelb Coupling Screw TX 30 5.5x140 mm	100 pieces	9190710
blaugelb Coupling Screw TX 30 5.5x150 mm	100 pieces	9190711
blaugelb Coupling Screw TX 30 5.5x160 mm	100 pieces	9190712
blaugelb Coupling Screw TX 30 5.5x170 mm	100 pieces	9190713



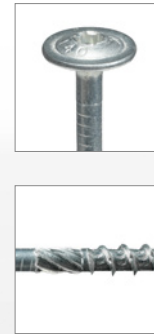
blaugelb

## Round Washer Head Screw

The self-tapping construction connector for load-bearing wooden components.



There is no need for an additional washer thanks to the round washer head, which simultaneously offers a **larger contact surface for greater load transfer**.



The blaugelb Round Washer Head Screw guarantees effective power transmission, both along the screw axis and perpendicular to it. And thanks to the partial thread and the round washer head, the screws allow for a connection that presses together the surfaces of two workpieces or components. blaugelb Round Washer Head Screws also have proof of the stability of the connection in accordance with EN 1995, which can be dimensioned and enables their use in a number of various construction products.

### Product benefits:

- Milling tip with double thread – up to 40 % faster screwing time/ installation
- The new shape of the milling tip reduces the screw-in resistance by up to 20 %, with a positive extension of the functional life of battery-powered tools
- Wax coating on the screw additionally reduces the screw-in torque

Material:	Carbon steel
Safety:	European Technical Assessment ETA-23/1007
Surface:	Galvanic zinc coating – white
Thread:	Wood thread with milling tip
Thread length:	30 – 75 mm / 50 – 80 mm
Diameter:	6 and 8 mm
Diameter of head:	Ø of screw 6 mm / head 14 mm, Ø of screw 8 mm / head 21 mm
Drive:	TX drive
Head shape:	Round washer head

Product name	PU	Item no.
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x180 mm	100 pieces	9256929
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x200 mm	100 pieces	9256930
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x220 mm	100 pieces	9256931
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x240 mm	100 pieces	9256932
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x260 mm	100 pieces	9256933
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x280 mm	100 pieces	9256934
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x300 mm	100 pieces	9256935
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x80 mm	50 pieces	9256936
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x100 mm	50 pieces	9256937
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x120 mm	50 pieces	9256938
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x140 mm	25 pieces	9256939
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x160 mm	25 pieces	9256940
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x180 mm	50 pieces	9256941
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x200 mm	50 pieces	9256942
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x220 mm	50 pieces	9256943
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x240 mm	50 pieces	9256944
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x260 mm	50 pieces	9256945
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x280 mm	50 pieces	9256946
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x300 mm	50 pieces	9256947
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x320 mm	50 pieces	9256948
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x340 mm	50 pieces	9256949
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x360 mm	50 pieces	9256950
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x380 mm	50 pieces	9256951
blaugelb Round Washer Head Screw galv. TX 40 PT 8.0x400 mm	50 pieces	9256952

Product name	PU	Item no.
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x50 mm	100 pieces	9256872
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x60 mm	100 pieces	9256873
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x80 mm	100 pieces	9256924
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x100 mm	100 pieces	9256925
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x120 mm	100 pieces	9256926
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x140 mm	100 pieces	9256927
blaugelb Round Washer Head Screw galv. TX 30 PT 6.0x160 mm	100 pieces	9256928

More than just a block – the **universal helper** is indispensable.



The blaugelb Spacer Block is manufactured from high-quality polypropylene and is ideal for proper load transfer during the assembly of windows and doors thanks to its solid structure in the full-pour casting process. Its edge bond compatibility renders it an important and indispensable helper, as does the high compressive load. The fine ribbing on the surface of the blaugelb Spacer Blocks ensures a high slip resistance and thus more safety when levelling.

### Product benefits:

- Edge bond compatibility thanks to high-quality polypropylene
- Ideal for levelling to the millimetre
- Assembly aid through support
- Suitable for use with heavy loads
- Temperature-resistant and dimensionally accurate – even in the wet, heat or cold
- Can be put to versatile use as base plate or distance plate
- Resistant to ageing
- Resistant to common chemicals

Material:	Polypropylene
Density: <b>DIN 559920</b>	0.90 – 0.94 g/cm <sup>3</sup>
MFI/MFR: <b>ISO 1133</b>	20/30 g / 10 min
Flexural modulus: <b>ISO 178</b>	> 1,000 MPa
Notch impact strength: <b>ISO 179</b>	> 3 kJ/m <sup>2</sup>
Shore hardness (D):	50 – 60
Portion of filler material:	< 5 %
Average contact surface:	2,400 mm <sup>2</sup>
Tolerance range:	± 0.3 mm for height and width

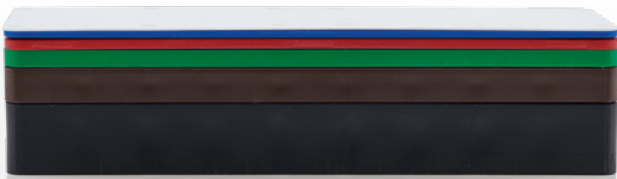
Product name	PU	Item no.
blaugelb Spacer Block 40x60x1.5 mm white	1,000 pieces	0416297
blaugelb Spacer Block 40x60x2 mm blue	1,000 pieces	0418762
blaugelb Spacer Block 40x60x3 mm red	1,000 pieces	0416299
blaugelb Spacer Block 40x60x4 mm yellow	1,000 pieces	9078738
blaugelb Spacer Block 40x60x5 mm green	1,000 pieces	0416310
blaugelb Spacer Block 40x60x10 mm brown	500 pieces	0416311
blaugelb Spacer Block 40x60x15 mm grey (with mesh)	500 pieces	0418764
blaugelb Spacer Block 40x60x20 mm black (with mesh)	500 pieces	0418766
blaugelb Spacer Block 53x66x1.5 mm white	1,000 pieces	9078326
blaugelb Spacer Block 53x66x3 mm red	500 pieces	9078327
blaugelb Spacer Block 53x66x5 mm green	500 pieces	9078328
blaugelb Spacer Block 53x66x10 mm brown	250 pieces	9078329
blaugelb Spacer Block 53x66x15 mm grey (with mesh)	250 pieces	9078330
blaugelb Spacer Block 53x66x20 mm black (with mesh)	250 pieces	9078331

blaugelb

## Shim Blocks HST

The reliable helper for shimming and aligning.

Providing a stable basis – blaugelb Shim Blocks HST for **professional load transfer** of elements with very high construction depths.



The blaugelb Shim Blocks HST (lifting/sliding doors), made from polystyrene PS, are ideal for the professional load transfer of elements with a very high construction depth (e.g. lifting/sliding door elements), thanks to the product size and area. The fine ribbing on the surface of the blaugelb Shim Blocks HST ensures a high slip resistance and thus more safety when levelling.

### Product benefits:

- Level load transfer across the entire construction depth prevents “tipping” about the vertical window axis, and avoids torsion in thresholds and/or floor recess profiles (blaugelb Plinth Thermal Insulation Profile PVC/EPS)
- Ideal for levelling to the millimetre
- Assembly aid through support
- Saves time during installation because only one load transfer block is positioned on the anchor base at 90° to the element’s construction depth
- Increased friction thanks to large block surface area reduces slipping on anchor base
- Suitable for use with heavy loads
- Temperature-resistant and dimensionally accurate – even in the wet, heat or cold
- Can be put to versatile use as shim or spacer block
- Resistant to ageing

Material:	Polystyrene PS
Density: <b>ISO 1183</b>	1.04 g/cm <sup>3</sup>
Hardness: <b>ISO 2039-1</b>	60 N/mm <sup>2</sup>
Tensile stress at yield $\sigma$ permitted: <b>ISO 2039-1</b>	28 MPa
Compressive strength:	max. 80 kN
Minimum permanent operating temperature:	-10 °C
Maximum permanent operating temperature:	+80 °C

Product name	PU	Item no.
blaugelb Shim Block HST 53x140x1 mm white	250 pieces	9034431
blaugelb Shim Block HST 53x140x2 mm blue	250 pieces	9034432
blaugelb Shim Block HST 53x140x3 mm red	250 pieces	9034433
blaugelb Shim Block HST 53x140x5 mm green	250 pieces	9034454
blaugelb Shim Block HST 53x140x10 mm brown	100 pieces	9034455
blaugelb Shim Block HST 53x140x20 mm black	100 pieces	9034456
blaugelb Shim Block HST 53x170x1 mm white	250 pieces	9034457
blaugelb Shim Block HST 53x170x2 mm blue	250 pieces	9034458
blaugelb Shim Block HST 53x170x3 mm red	250 pieces	9034459
blaugelb Shim Block HST 53x170x5 mm green	250 pieces	9034460
blaugelb Shim Block HST 53x170x10 mm brown	100 pieces	9034461
blaugelb Shim Block HST 53x170x20 mm black	100 pieces	9034462
blaugelb Shim Block HST 53x210x1 mm white	250 pieces	9034463
blaugelb Shim Block HST 53x210x2 mm blue	250 pieces	9034464
blaugelb Shim Block HST 53x210x3 mm red	250 pieces	9034465
blaugelb Shim Block HST 53x210x5 mm green	250 pieces	9034466
blaugelb Shim Block HST 53x210x10 mm brown	100 pieces	9034467
blaugelb Shim Block HST 53x210x20 mm black	100 pieces	9034468



**blaugelb Distance Assembly Clips** always ensure a perfect gap between wall and component – simply and with no complications.

blaugelb Distance Assembly Clips are made from high-grade polypropylene (PP) and are used for compensation and precise alignment and shimming in window and door construction and in the interior finishing and dry lining of ceilings, walls and floor structures.

### Product benefits:

- Fast and millimetre-precise compensation, rapid assembly
- Universal application for compensation, straightening and shimming
- Fixing hooks prevent slippage
- Non-positive direct load suspension
- Made of high-grade polypropylene, high resistance to other chemical products

Material:	Regranulated polypropylene
Density: <b>DIN 559920</b>	0.93 g/cm <sup>3</sup>
MFI/MFR: <b>ISO 1133</b>	> 4.7 g / 10 min
Modulus of tensile elasticity: <b>ISO 527</b>	908 MPa
Notch impact strength: <b>ISO 179</b>	4.2 kJ/m <sup>2</sup>
Ball indentation hardness:	80 N/mm <sup>2</sup>
Heat deflection temperature:	90 to 115 °C

Product name	PU	Item no.
blaugelb Distance Assembly Clip 40x30x1 mm	500 pieces	0416220
blaugelb Distance Assembly Clip 40x30x2 mm	500 pieces	0416222
blaugelb Distance Assembly Clip 40x30x3 mm	500 pieces	0416223
blaugelb Distance Assembly Clip 40x30x4 mm	500 pieces	0416224
blaugelb Distance Assembly Clip 40x30x5 mm	500 pieces	0416225
blaugelb Distance Assembly Clip 40x30x6 mm	500 pieces	0416226
blaugelb Distance Assembly Clip 40x30x8 mm	500 pieces	0416227
blaugelb Distance Assembly Clip 40x30x10 mm	500 pieces	0416228
blaugelb Distance Assembly Clip 40x30x1 mm Big Box	25,000 pieces	9209246
blaugelb Distance Assembly Clip 40x30x2 mm Big Box	15,000 pieces	9209247
blaugelb Distance Assembly Clip 40x30x3 mm Big Box	10,000 pieces	9209248
blaugelb Distance Assembly Clip 40x30x5 mm Big Box	6,000 pieces	9209249
blaugelb Distance Assembly Clip 40x30x8 mm Big Box	6,000 pieces	9209250
blaugelb Distance Assembly Clip 40x30x10 mm Big Box	5,000 pieces	9209251
blaugelb Distance Assembly Clip 60x45x1 mm	500 pieces	0416229
blaugelb Distance Assembly Clip 60x45x2 mm	500 pieces	0416230
blaugelb Distance Assembly Clip 60x45x3 mm	500 pieces	0416231
blaugelb Distance Assembly Clip 60x45x4 mm	500 pieces	0416232
blaugelb Distance Assembly Clip 60x45x5 mm	500 pieces	0416234
blaugelb Distance Assembly Clip 60x45x6 mm	500 pieces	0416235
blaugelb Distance Assembly Clip 60x45x8 mm	250 pieces	0416236
blaugelb Distance Assembly Clip 60x45x10 mm	250 pieces	0416238



**Wir wollen dass  
Sie keine  
Kompromisse  
mehr eingehen  
müssen.**

## Made to Measure – Ihr neuer Maßanzug wartet bereits auf Sie

Entdecken Sie das neue Fertigungszentrum **Made to Measure** von Meesenburg, das direkt auf **Ihr jeweiliges Rahmenprofil angepasste** Rahmenverbreiterungen, Sockeldämmprofile und Adapterprofile bietet. Hergestellt aus hochgedämmten und umweltfreundlichen Platten, setzen wir dabei neue Maßstäbe in Sachen Dämmwerte und Verlässlichkeit.

**Made to Measure** – das sind maßgeschneiderte Anschlusslösungen für höchste Dämmleistung, nachhaltiges Bauen und Umweltfreundlichkeit.

Kontaktieren Sie uns noch heute und lassen Sie sich von unseren Experten beraten. Gemeinsam finden wir die **perfekte Lösung** für Ihre Anforderungen.

**Präzision bis ins letzte Detail.**

[m2m@ihre-fertigung.de](mailto:m2m@ihre-fertigung.de)  
Ihre Beratung wartet auf Sie



Direkt zu den  
Sortimenten



**Naturally also with  
 passive house certified**



**How pre-wall installation works today.**

The individual profiles have an innovative dovetail joint, which means that transporting them to the construction site is no longer a major exercise in logistics. The compact profiles can be extended effortlessly at any time, even with larger windows.

Not only does the blaugelb Hybrid Polymer Power Fix keep blaugelb Trio**therm**<sup>+</sup> Profiles in place until they are bolted to the wall, it also

provides an increased measure of security and sealing quality between the wall and blaugelb Trio**therm**<sup>+</sup> Profiles. The blaugelb Frame Screw Fix FK-T30 anchors the blaugelb Trio**therm**<sup>+</sup> Profiles securely in the bearing structure, ensuring a safe, mechanical attachment.

The window can now be secured directly in the blaugelb Trio**therm**<sup>+</sup> Profile without needing to pre-drill holes. The sealant is then applied as normal.

**Regulations contained in the ETA\*:**

- Permanent use of the construction set
- Fire protection
- Airtightness
- Watertightness against driving rain
- ETB fastening
- Burglar resistance
- Sound insulation
- Thermal conductivity
- Edge distances
- Static:
  - Compressive and bending strength
  - Load-bearing capacity
  - Resilience
  - Wind suction, wind pressure
  - Impact load
  - Creep behaviour

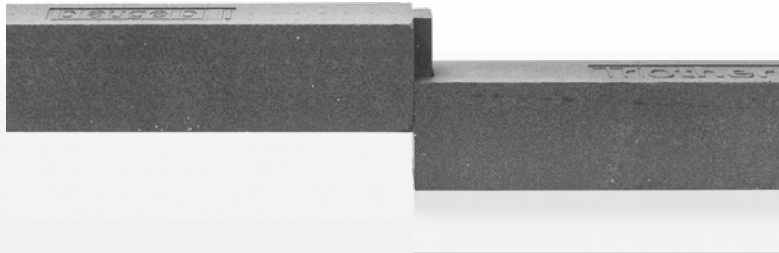
\*Available to download from [www.blaugelb.de](http://www.blaugelb.de) or on enquiry



blaugelb

**Triotherm<sup>+</sup> Profiles**The Triotherm<sup>+</sup> Profile – part of the blaugelb Triotherm<sup>+</sup> System.

The blaugelb Triotherm<sup>+</sup> Profiles are part of the Triotherm<sup>+</sup> overall system for building element installation in the insulating layer of façades. They transfer all loads arising reliably and without distortion, and systematically apply them to the load-bearing structure. The blaugelb Triotherm<sup>+</sup> Profiles allow efficient sealing of window connection joints in accordance with the applicable regulations.



A major area of application of the blaugelb Triotherm<sup>+</sup> Profiles is for extending the masonry jamb in the insulation layer of the façade, as the load-bearing, dimensionally stable installation surface for the assembly parts to be fitted. Using the mechanical attachment, the blaugelb Triotherm<sup>+</sup> Profiles can safely transfer the resulting forces into the load-bearing structure. blaugelb Triotherm<sup>+</sup> Profiles made from a high-density EPS (expanded polystyrene) are one of the three system components of the blaugelb Triotherm<sup>+</sup> System. The robust, hard-wearing profiles exhibit load-bearing capacity, can be fitted to the load-bearing structure quickly and easily, and offer thermally isolated load transfer – thermal bridges from the structurally necessary fastening of construction elements are reduced to a minimum. The blaugelb Triotherm<sup>+</sup> Profiles can be integrated perfectly into the insulating zones of all façade systems.

**Product benefits:**

- Stable dimensions and volume
- Insensitive to moisture and non-ageing
- 100 % recyclable, 100 % free of HCFCs, HFCs and HBCDs
- Thanks to 100 % reversibility of window fastening for renovation, makes a major contribution to sustainable building
- Profiles are easy to machine/saw with a jigsaw or mitre saw
- Can be cut to shape precisely and with minimal dust
- Infinitely extensible by dovetailing
- Profiles have low weight and compact dimensions
- Window frames can be screwed on without pre-drilling of the blaugelb Triotherm<sup>+</sup> Profiles
- Waffle structure increases the adhesion of the seal between the base and the blaugelb Triotherm<sup>+</sup> Profiles
- Production process constantly maintains very high dimensional accuracy and geometrical accuracy of the blaugelb Triotherm<sup>+</sup> Profiles
- High inherent stability and flexural strength, high ductility
- Airtight, connection between profile and base is verified by technical tests
- Absorption of high building tolerances flush with windows is verified by technical tests
- Reduces thermal bridges in the mounting plane of the assembly parts

Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm <sup>2</sup>
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: <b>DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05</b>	B2 / Class E
Thermal conductivity nominal value $\lambda_{10}$ : <b>DIN EN 12667:2001-05</b>	0.00374 W/m <sup>2</sup> K
Air permeability: <b>EN 12207</b>	Class 4
Water vapour diffusion resistance: <b>DIN EN ISO 12086</b>	228 $\mu$
Bending strength: <b>DIN EN 12089</b>	$\geq 2,490$ kPa
Compression stress (2 %) compression: <b>DIN EN DIN EN 13163:2017 / EN 826:2013-05</b>	$\geq 1,435$ kPa
Shear strength: <b>DIN EN ISO 14130</b>	0.217 N/mm <sup>2</sup>
Screw withdrawal value: (Frame Screw Fix FK-T30 7.5 x 62 mm)	2,100 N
Water absorption after 28 days under water: <b>DIN 12087</b>	$\leq 0.5$ vol. %
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible

Product name	PU	Item no.
blaugelb Triotherm <sup>+</sup> Profile 70x85x1175 mm	Bundle of 9 pcs.	0420838
blaugelb Triotherm <sup>+</sup> Profile 80x85x1175 mm	Bundle of 9 pcs.	9216354
blaugelb Triotherm <sup>+</sup> Profile 100x85x1175 mm	Bundle of 6 pcs.	0425988
blaugelb Triotherm <sup>+</sup> Profile 120x85x1175 mm	Bundle of 6 pcs.	0420839
blaugelb Triotherm <sup>+</sup> Profile 140x85x1175 mm	Bundle of 6 pcs.	9035238
blaugelb Triotherm <sup>+</sup> Profile 160x85x1175 mm	Bundle of 6 pcs.	0420840
blaugelb Triotherm <sup>+</sup> Profile 180x85x1175 mm	Bundle of 3 pcs.	9035239
blaugelb Triotherm <sup>+</sup> Profile 200x85x1175 mm	Bundle of 3 pcs.	9021633
blaugelb Triotherm <sup>+</sup> Profile 230x85x1175 mm	Bundle of 2 pcs.	9021632



 Made with **BMB**

Sustainable.  
 Transparent.  
 Honest.



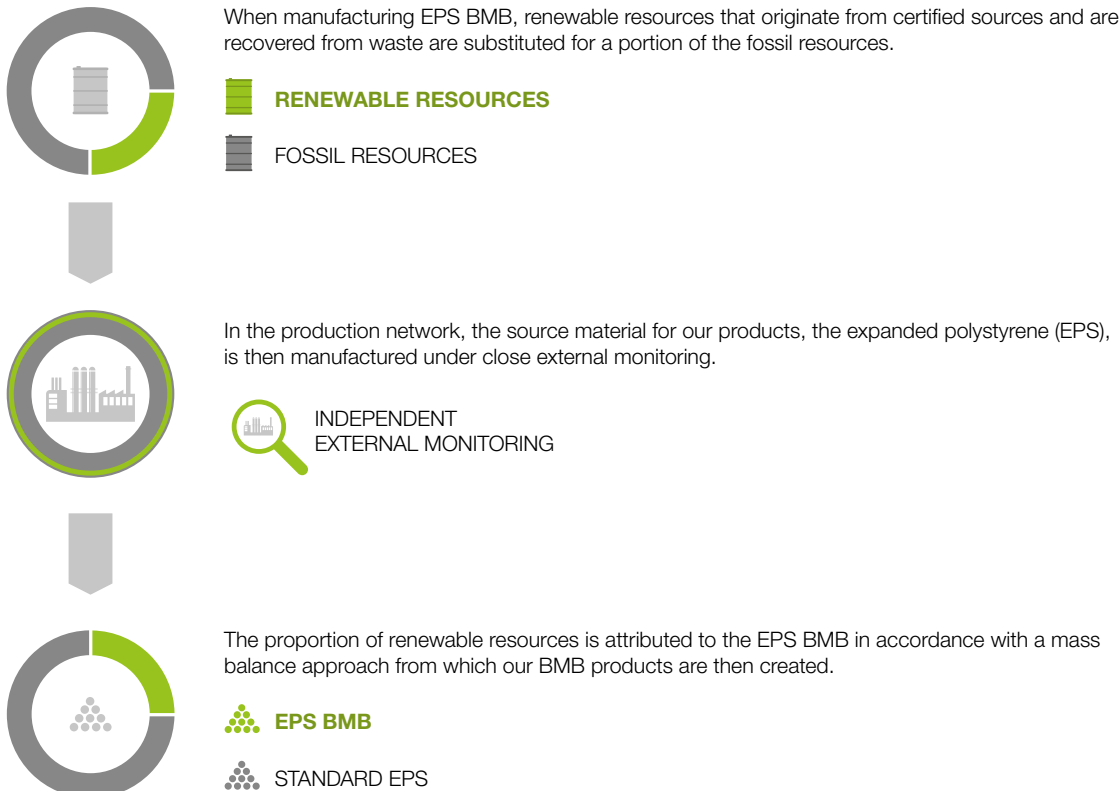
blaugelb  
 Triotherm+  
 BMB Profiles



## What does biomass balanced (BMB) mean?

When manufacturing EPS BMB, **a portion of the fossil resources is replaced with renewable resources** from certified sources. The proportion of renewable resources is attributed to the EPS BMB in accordance with a **mass balance approach**, thereby allowing a **reduction of the CO<sub>2</sub> footprint for the EPS BMB by up to 100 %**.

### Overview of the biomass balance method



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**Triotherm+ Profiles BMB**

The Triotherm+ Profile – part of the blaugelb Triotherm+ System.

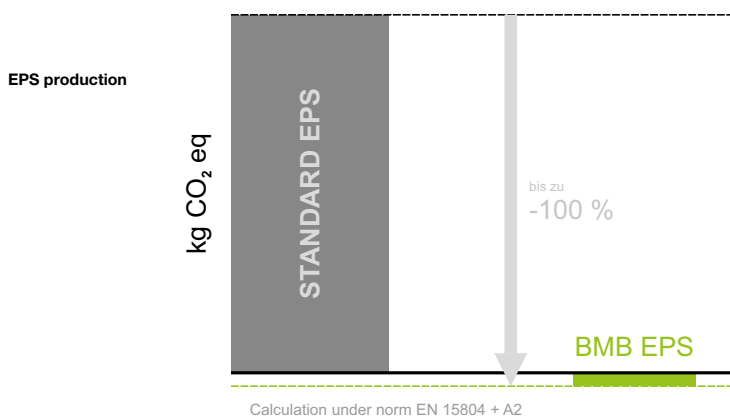
The biomass balanced EPS can then be used to manufacture our BMB products, such as the Triotherm+ Profile BMB. These **low carbon EPS products** do not differ outwardly or in their form and function compared to standard EPS products, but are additionally impressive thanks to their considerably smaller CO<sub>2</sub> footprint. Our Triotherm+ Profiles BMB **thus have the same technical properties** as our standard Triotherm+ Profiles. All relevant technical data can be found on **page 19**.



- Smaller CO<sub>2</sub> footprint
- Reduced greenhouse gas emissions
- Use of renewable resources with the biomass balance approach

## Why do we wish to take this journey with you?

Protecting the environment is no longer a meaningless phrase or some fad, but instead is now a genuine concern for our society. For this reason it is important to believe in products that do exactly that – protect our climate and also conserve the resources that we have left. Unfortunately, it is not possible to just fully replace every fossil resource with renewable, bio-based resources without impacting the product features, which is not an option for construction products. We are all aware of this responsibility and are carefully weighing how to manufacture our products in the future.



For us this is just another step among many, as **saving energy and CO<sub>2</sub>** has always been a priority with our EPS-based products. With the new biomass balance method, we can now take yet another step and hand over these **low carbon EPS products** to you with our mind at ease. Together with your support, we want to make sure that our earth stays beautiful and unique and is preserved for us and for future generations.

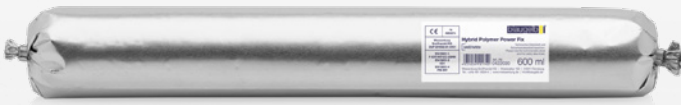
## Can we count on you?

Product name	PU	Item no.	Product name	PU	Item no.
blaugelb Triotherm+ Profile BMB 70x85x1175 mm	Bundle of 9 pcs.	9212339	blaugelb Triotherm+ Profile BMB 120x85x1175 mm	Bundle of 6 pcs.	9212341
blaugelb Triotherm+ Profile BMB 80x85x1175 mm	Bundle of 9 pcs.	9216652	blaugelb Triotherm+ Profile BMB 140x85x1175 mm	Bundle of 6 pcs.	9212342
blaugelb Triotherm+ Profile BMB 100x85x1175 mm	Bundle of 6 pcs.	9212340			

## Hybrid Polymer Power Fix white

The Power Fix sealing compound – a component of the blaugelb Triotherm<sup>+</sup> System.

The blaugelb Hybrid Polymer Power Fix white for **sealing and fastening** at the highest level.



The blaugelb Hybrid Polymer Power Fix 600 ml white is a one-component permanently elastic sealant that is suitable for sealing expansion and connecting joints.

Because the blaugelb Hybrid Polymer Power Fix 600 ml white exhibits not only excellent sealing properties but is also particularly suitable for fastening components, the product is part of the pre-wall installation system blaugelb Triotherm<sup>+</sup>, where it is used as a sealant and adhesive for fitting the blaugelb Triotherm<sup>+</sup> Profiles, in conjunction with the triangular nozzle.

### Product benefits:

- Outstanding initial adhesion on various substrates
- Rapid full cure
- High-performance sealing
- Weather and UV-resistant, non-fading
- System component of the tested pre-wall installation system blaugelb Triotherm<sup>+</sup>
- Exceptional final adhesion (320 kg/10 cm<sup>2</sup>)
- Universally usable for sealing and fastening
- Very good processability
- Moisture and temperature-resistant
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate, solvent, halogen and acid-free
- Non-corrosive
- Virtually odourless
- Exceptionally suited for time-critical application due to its fast processability
- Cured by atmospheric humidity from outside inwards
- Very good coatability according to DIN 52452-A1\*, can be painted over wet-in-wet
- Suitable for all standard construction surfaces\*
- Building material class B2 (DIN 4102)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

Material base:	1C hybrid polymer
Colour:	White
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN 4102-4</b>	B2
Curing speed: At 23 °C and 50 % RH	Approx. 3 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 5 minutes
Density: <b>DIN 53479</b>	1.47 g/ml
Shore A hardness: <b>DIN 53505</b>	60 ± 5
Max. permissible deformation:	20 %
Change in volume: <b>DIN EN ISO 105636</b>	-3 to -4 vol.%
Tensile strength: <b>DIN 53504</b>	3.5 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN 53504</b>	1.4 N/mm <sup>2</sup>
Modulus of elasticity 100 %: <b>DIN EN ISO 8339</b>	2.3 N/mm <sup>2</sup>
Elongation at break: <b>DIN 53504</b>	400 %
Elastic recovery: <b>ISO 7389-B</b>	> 75 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0 °C to +40 °C Substrate: 0 °C to +35 °C
Temperature resistance:	From -40 °C to +90 °C
Moisture resistance:	Waterproof
Ecological report:	EMICODE EC1 Plus
Overpainting:	Very good coatability according to DIN 52452-A1, can be painted over wet-in-wet
Shelf life:	12 months in unopened pack at +5 °C to +25 °C
Delivery form:	600 ml tubular bag

\*Carry out suitable pretests

Product name	PU	Item no.
blaugelb Hybrid Polymer Power Fix 600 ml white	20 bags	0422030



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## Insulation Wedge EPS

The blaugelb Insulation Wedge EPS is part of the overall system of the blaugelb range for expert building element installation.



The blaugelb Insulation Wedges EPS are an important and additional building block for **effective sealing and window connection** in accordance with the applicable regulations.



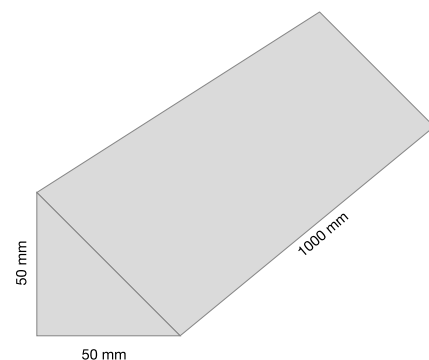
The blaugelb Insulation Wedge EPS is made from an EPS (expanded polystyrene). The insulation wedges are sturdy, resistant and insensitive to moisture. Thanks to the material's outstanding thermal conductivity of 0.031 W/m\*K, thermal bridges are prevented/minimised. Because of its low density and ease of processing, efficient and economical installation is assured.



Material:	EPS
Colour:	Grey
Fire behaviour: <b>DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05</b>	B2 / Class E
Thermal conductivity nominal value $\lambda_D$ : <b>DIN EN 12667</b>	$\lambda = 0.031$ W/m*K
Water vapour diffusion resistance: <b>DIN EN ISO 12572</b>	30 – 70 $\mu$
Bending strength: <b>DIN EN 12089</b>	$\geq 170$ kPa
Compression stress (10 %) compression: <b>DIN EN 13163:2015-04</b>	$\geq 120$ kPa
Compression stress (2 %) compression: <b>DIN EN 13163:2015-04</b>	$\geq 25 - 40$ kPa
Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +80 to +85 °C
Water absorption after 28 days under water: <b>DIN 12087</b>	3 – 4 vol. %
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible
Ageing resistance:	Mould-proof, does not rot
Waste code:	Code no. 170604 Code no. 170904

### Product benefits:

- 100 % recyclable
- 100 % HCFC, HFC and HBCD-free
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- Low weight
- Thermally insulating
- Easy to use
- Resistant to ageing
- Insensitive to moisture
- Stable dimensions and volume
- Controlled water channelling around the upper connection
- Easy to process
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- This product is Cradle to Cradle Certified® at the Silver level



Product name	PU	Item no.
blaugelb Insulation Wedge EPS 50x50x1000 mm	1 piece	0427697

## Sill Connection Profile

For an ideal thermal separation between the exterior and interior window sill.

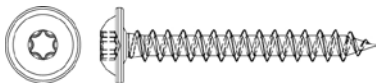


Profile-specific production for **optimal use** with different systems – at heights up to 80 mm.



The blaugelb Sill Connection Profile made of highly compressed EPS (expanded polystyrene) offers the best possible heat and moisture protection and enables technically and visually clean installation/attachment of the exterior and interior window sill that is individually adapted to the installed window or door elements – including optimal thermal separation.

To screw onto the window sill, we recommend a window sill screw with pressed-on washer in A2 4.5x35 mm item no. 9024210, RAL 9016 4.5x35 mm item no. 9071019 or RAL 7016 4.5x35 mm item no. 9071018.



### Product benefits:

- Provides technically and visually clean support for the exterior and interior window sill
- Secure load transfer, even with high element weights
- The flat flanks ensure no deformation in the area of the spacer block perpendicular to the window plane, thus preventing impermissible movement when used
- Reduction of service required for window adjustment
- Reduction of the thermal bridge between the interior window sill and the exterior window sill
- Guarantees good thermal insulation
- Suitable for all plastic and/or aluminium windows due to individual cutting
- Suitable for stone and aluminium window sills due to the overall height of 35 and 40 mm
- Secured screw connection of the aluminium window sill
- Tongue and groove connection for unlimited extension
- Optimal transport, pallet size 1,200 mm
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- This product is Cradle to Cradle Certified® at the Silver level

Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm <sup>2</sup>
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Fire behaviour: <b>DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05</b>	B2 / Class E
Thermal conductivity nominal value $\lambda_{10}$ : <b>DIN EN 12667:2001-05</b>	0.0403 W/m*k
Water vapour diffusion resistance: <b>DIN EN ISO 12086</b>	228 $\mu$
Air permeability: <b>EN 12207</b>	Class 4
Bending strength: <b>DIN EN 12089</b>	$\geq 2,490$ kPa
Airborne sound insulation: <b>DIN EN ISO 717-1</b> (with an area of 0.8 m <sup>2</sup> )	40 mm: $R_w$ 28.5 dB $\pm$ 1.2 dB
Compression stress (2 %) compression: <b>DIN EN DIN EN 13163:2017 / EN 826:2013-05</b>	$\geq 1,435$ kPa
Shear strength: <b>DIN EN ISO 14130</b>	0.217 N/mm <sup>2</sup>
Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +85 °C
Dimensional stability: <b>DIN EN 13163:2015-04</b>	Very high, including outdoor weathering
Water absorption after 28 days under water: <b>DIN 12087</b>	$\leq 0.5$ vol. %
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x 42 mm sfs window sill screw 4.5 x 35 mm	$F_{FK,AZ}$ 1.2 kN $F_{FK,AZ}$ 0.51 kN
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible
Ageing resistance:	Mould-proof, does not rot
Waste code:	Code no. 170604 Code no. 170904

We produce individually milled sill connection profiles for every profile system.

You will find a complete list of the item numbers at [www.ihre-fertigung.de](http://www.ihre-fertigung.de) or in the corresponding data sheets.

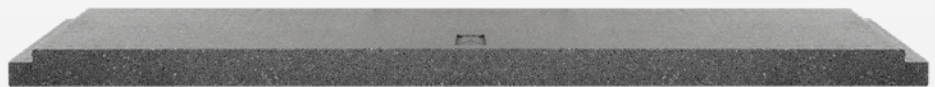
blaugelb

## Insulation Sill Profile

For efficient sound deadening of the external window sill.



Pressure-resistant, stable **basis beneath the exterior window sill** prevents cavities.



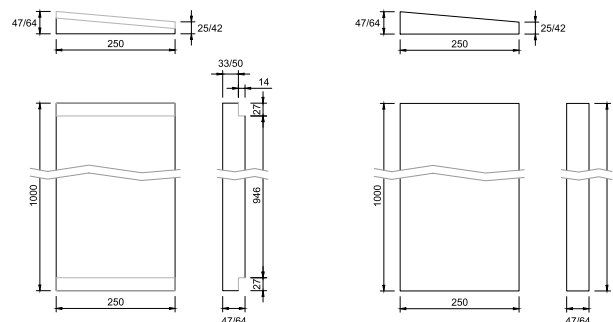
The blaugelb Insulation Sill Profile creates a 5° incline for the window parapet. Thanks to the blaugelb Insulation Sill Profile, the correct angle (approx. 5° incline) is maintained when installing the exterior window sill. The window sill is prevented from lifting away by locating with blaugelb Hybrid Polymer Power Fix at a number of points to this pressure-resistant, stable base beneath the exterior window sill.

The direct bond between the blaugelb Insulation Sill Profile and the exterior window sill leaves no cavity between the two elements, providing effective sound deadening of the window sill and rendering the use of a sound deadening strip unnecessary.

### Product benefits:

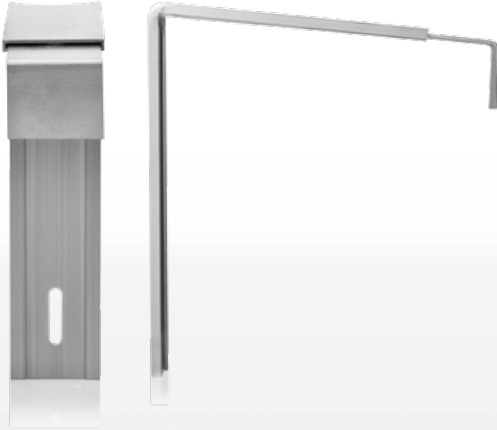
- Water-repellent EPS, with appropriate incline for aluminium and stone exterior window sills
- 100 % recyclable
- 100 % HCFC, HFC and HBCD-free
- Replaces the window sill bracket
- Forms a second water-bearing layer
- Performs the noise suppression function
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- Low weight and compatible with all ETICS systems made from EPS
- Easy to cut to the right length on site
- Performs the function of the sound deadening strip
- Insensitive to moisture
- Can be cut to shape precisely and with minimal dust
- Quick to process using a ready-made blaugelb Insulation Sill Profile with defined incline
- Thermally insulating
- Resistant to ageing
- Stable dimensions and volume
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- This product is Cradle to Cradle Certified® at the Silver level

Fire behaviour: <b>DIN EN 13501-1</b>	Class E
Thermal conductivity nominal value $\lambda_D$ : <b>DIN EN 12667</b>	0.031 W/m <sup>2</sup> K
Water vapour diffusion resistance: <b>DIN EN ISO 12572</b>	60 $\mu$
Compression stress (10 % compression): <b>DIN EN 13163:2015-04</b>	$\geq 200$ kPa
Compression stress (2 % compression): <b>DIN EN 13163:2015-04</b>	$\geq 100$ kPa
Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +85 °C
Water absorption after 28 days under water: <b>DIN 12087</b>	$\leq 1.5$ vol. %
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible
Ageing resistance:	Mould-proof, does not rot
Waste code:	Code no. 170604 Code no. 170904



Product name	PU	Item no.
blaugelb Insulation Sill Profile 25-47x250x1000 mm	15 pieces	9073204
blaugelb Insulation Sill Profile 42-64x250x1000 mm	15 pieces	0427696
blaugelb Insulation Sill Profile 25-47x250x1000 mm <b>with recess</b>	15 pieces	9190741
blaugelb Insulation Sill Profile 42-64x250x1000 mm <b>with recess</b>	15 pieces	9190740

Material:	Water-repellent EPS
Colour:	Grey



**Extendible insertion bracket** guarantees the **best possible adjustment** when attaching the window sill to the building face

Two-piece blaugelb Thermo Holder made of aluminium comprising the base body for securing at the brickwork and the insertion bracket for variable adjustment of the brickwork differentials.

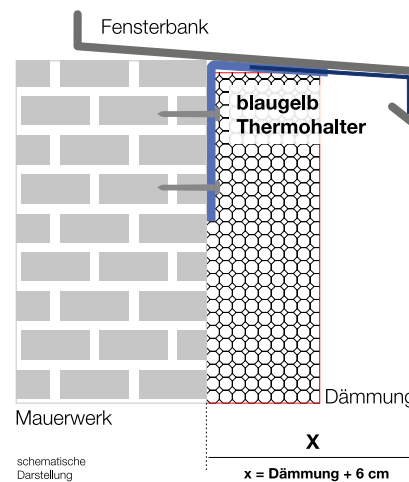
As per the "Richtlinien der RAL Gütesicherung Fenster und Türen" [RAL Quality Assurance Guidelines for Windows and Doors] as well as the "Empfehlungen für den Einbau/Ersatz von Metallfensterbänken" [Recommendations for the Installation/Replacement of Metal Window Sills] from the Gütegemeinschaft Wärmedämmung von Fassaden e.V. (GWF) [Quality Assurance Association for Thermal Insulation of Façades], brackets are to be used as of a construction depth of 150 mm.

**Product benefits:**

- Simple, secure purchase
- Projections of 155 to 300 mm illustratable
- For 40 mm drip groove
- Guaranteed angle of slope of at least 5°
- Flexibility in all dimensions
- Drainage of the surface water
- Variable adjustment at brickwork differentials

Material:	Aluminium
Bracket material thickness:	2 mm
Insertion bracket material thickness:	1.5 mm

The following is valid to determine the correct dimension "x":

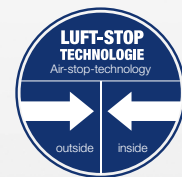


Product name	PU	Item no.
blaugelb Thermo Holder 155 mm (side piece 85/105 mm & insertion bracket 40/100 mm)	1 piece	0416189
blaugelb Thermo Holder 175 mm (side piece 60/125 mm & insertion bracket 40/100 mm)	1 piece	0416188
blaugelb Thermo Holder 210 mm (side piece 95/160 mm & insertion bracket 40/100 mm)	1 piece	0416190
blaugelb Thermo Holder 235 mm (side piece 125/180 mm & insertion bracket 40/100 mm)	1 piece	0416191
blaugelb Thermo Holder 300 mm (side piece 150/200 mm & insertion bracket 40/150 mm)	1 piece	0416192

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## Multifunctional Tape TrioSDL<sup>750</sup>

The blaugelb multifunctional tape of the future – equipped for new requirements.



The blaugelb Multifunctional Tape TrioSDL<sup>750</sup> with air-stop technology LST – perfect at all levels.

The combination of two special PU foams with the airtight LST membrane has resulted in a heavy-duty multifunctional tape: The blaugelb Multifunctional Tape TrioSDL<sup>750</sup> with air-stop technology LST protects against storms of the future and guarantees that the requirements arising from the German Building Energy Law (GEG) for sealing the connecting joint are reliably met. The blaugelb Multifunctional Tape TrioSDL<sup>750</sup> is a pre-compressed 3-level sealing tape with a multi-tiered design for sealing and insulating the connecting joint with only one product.

- **Watertight against driving rain** over 750 Pa and weather-resistant
- **Insulation** against sound and heat in the functional level
- **Airtight** and forms a barrier against vapour on the room side, a value = 0.00

### Product benefits:

- Reliably separates indoor and outdoor climates in the joint by means of the LST membrane
- Watertight against driving rain  $\geq 750$  Pa – 25 % more protection than required by standards
- With moisture penetration protection, tested in accordance with new standard DIN 18542:2020-04 MF 1
- Suitable for passive house and zero-energy building standard
- Complies with the principle of “tighter inside than out”
- Sealing of a larger joint width with just one tape
- Optimised roll length, resulting in fewer tape joints and less waste
- Moisture and temperature-resistant
- Flexible – absorbs component movements
- Assembly possible irrespective of the weather
- Joint sealing as per GEG, DIN 18355, DIN 4108
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

Building material class: <b>DIN 4102</b>	B1 (difficult to ignite)
Stress group: <b>DIN 18542:2020-04</b>	MF 1
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 750$ Pa
Joint permeability coefficient: <b>DIN EN 1026</b>	$a = 0.00 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$

Thermal conductivity: <b>DIN 4108-4   DIN EN 12667</b>	$\lambda_{10} = 0.050 \text{ W/m} \cdot \text{K}$
Joint sound insulation:	Up to 58 dB
Compatibility with adjacent building materials: <b>DIN 18542:2020-04</b>	Satisfied
Light and weather resistance: <b>DIN 18542:2020-04</b>	Satisfied
U-value with multifunctional tape depth 64 / 74 / 84 mm: <b>DIN 4108-3</b>	$U = 0.78 / 0.68 / 0.6 \text{ W}/(\text{m}^2 \cdot \text{K})$

Product name	PU	Item no.
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 30/4-11 mm*	10 x 15 m	9279442
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 30/6-17 mm*	10 x 12 m	9279443
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 35/4-11 mm*	8 x 15 m	9279474
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 35/6-17 mm*	8 x 12 m	9279475
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 40/4-11 mm*	7 x 15 m	9279476
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 40/6-17 mm*	7 x 12 m	9279477
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/4-11 mm	5 x 10 m	9083714
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/6-17 mm	7 x 15 m	9083715
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 54/9-24 mm	7 x 10 m	9083716
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/4-11 mm	4 x 10 m	9083717
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/6-17 mm	6 x 15 m	9083718
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 64/9-24 mm	6 x 10 m	9083719
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/4-11 mm	4 x 10 m	9083720
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/6-17 mm	5 x 15 m	9083721
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 74/9-24 mm	5 x 10 m	9083722
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/4-11 mm	4 x 15 m	9279478
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/6-17 mm	4 x 12 m	9279479
blaugelb Multifunctional Tape TrioSDL <sup>750</sup> 84/9-24 mm	4 x 8 m	9279480

\*Construction-related deviation of the tape colouring.





The blaugelb multifunctional tape TrioSDL<sup>600</sup> exhibits the highest performance on **all 3 levels** of the connecting joint.



The blaugelb Multifunctional Tape TrioSDL<sup>600</sup> is a pre-compressed 3-level sealing tape based on a special impregnated PU foam. The abbreviation **SDL<sup>600</sup>** stands for its properties:

- **Watertight against driving rain** over 600 Pa and weather-resistant (BG 1 tested) on the outside
- **Insulation** against sound and heat in the functional level
- **Airtight** and forms a barrier against vapour on the room side (BG-R tested)

### Product benefits:

- Only 1 product and only 1 assembly step for sealing all 3 levels
- Component inspection according to ift guideline MO-01 / 1 : 2007-01
- BG 1 – tested according to DIN 18542
- Moisture and temperature-resistant
- Joint sealing as per EnEV, DIN 18355
- Joint sealing compliant with Leitfaden zur Planung und Ausführung der Montage von Fenstern und Haustüren für Neubau und Renovierung [Guideline for Planning and Implementation of Installation of Windows and Entry Doors for New Construction and Refurbishment]
- Manufactured under an ISO 9001/EN 29001-compliant quality system

Water vapour diffusion resistance: <b>DIN EN ISO 12572</b>	$\mu \leq 100$
U-value with multifunctional tape depth 64 / 74 / 84 mm: <b>DIN 4108-3</b>	$U = 0.75 / 0.65 / 0.57 \text{ W/(m}^2\cdot\text{K)}$
Colour:	Anthracite, inside impregnated grey

Product name	PU	Item no.
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 30/6-15	10 x 15 m	0424606
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 35/6-15	8 x 15 m	0424607
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 40/6-15	7 x 15 m	0424608
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 54/6-15	7 x 15 m	0418782
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 64/6-15	6 x 15 m	0418785
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 74/6-15	5 x 15 m	0418786
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 84/6-15	4 x 15 m	0418787
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 30/10-20	10 x 12 m	0424609
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 35/10-20	8 x 12 m	0424610
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 40/10-20	7 x 12 m	0424611
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 54/10-20	7 x 12 m	0418788
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 64/10-20	6 x 12 m	0418789
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 74/10-20	5 x 12 m	0418790
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 84/10-20	4 x 12 m	0418791
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 54/15-30	7 x 8 m	0418821
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 64/15-30	6 x 8 m	0418822
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 74/15-30	5 x 8 m	0418823
blaugelb Multifunctional Tape TrioSDL <sup>600</sup> 84/15-30	4 x 8 m	0418824

Building material class: <b>DIN 4102</b>	B1 (difficult to ignite)
Stress group: <b>DIN 18542</b>	BG 1 and BG R
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 600 \text{ Pa}$
Joint permeability coefficient: <b>DIN EN 12114</b>	$a \leq 0.1 \text{ m}^3 / [\text{h}\cdot\text{m}^3(\text{daPa})^2]$
Thermal conductivity: <b>DIN 4108-4   DIN EN 12667</b>	$\lambda_{10} = 0.048 \text{ W/m}\cdot\text{K}$
Joint sound insulation:	Up to 59 dB (joint plastered over on both sides)
Compatibility with adjacent building materials: <b>DIN 18542</b>	Satisfied
Light and weather resistance: <b>DIN 18542</b>	Satisfied



blaugelb  
Strap

Holds the blaugelb Multifunctional Tapes tightly in a compressed form after use.



The blaugelb Strap holds together opened blaugelb Multifunctional Tapes from a width of at least 30 mm, which secures the rolls against unwanted expanding and keeps them compressed for the next time they are used. It safely and reliably prevents expansion of the tape roll.

Opened tape rolls can be used further and used up entirely – which prevents waste and is environmentally friendly.

The blaugelb Strap can be folded up small and can be used everywhere. Both at a construction site as well as in production, it ensures clarity and order. Rolls of blaugelb Foils can be conveniently sealed.

For sealing tapes with a width smaller than 30 mm, we recommend the blaugelb Clip (part no. 9210033).

#### Product benefits:

- Prevents unwanted expansion of opened rolls
- Strong retention force through powerful Velcro fastening
- Sustainable solution – reusable over and over
- For tape widths above 30 mm
- Large Velcro surface for stepless adjustment to the roll
- Opened rolls stay compressed and can be used again

Material:	Firm, non-stretch plastic
Width:	50 mm
Length:	95 cm

Product name	PU	Item no.
blaugelb Strap 50 mm x 0.95 m blue	50 pcs.	9210234

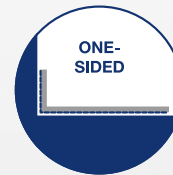
#### Preparation and processing:

The blaugelb Strap is placed around the roll, tightened and securely fastened with the Velcro fastening. The rolls should be used again soon; application is not intended for the storage of opened rolls.

\*Carry out suitable pretests.



Intelligent moisture management in the connecting joint for **application on one side** – blaugelb Foil DuoSL<sup>1050</sup> Power One.



The blaugelb Foil DuoSL<sup>600</sup> is a special plastic foil with self-regulating properties for the sealing of connecting joints of windows and doors. It has a fleece backing and is fully self-adhesive. The integrated plastic foil can vary its sd-value, enabling it to regulate the water vapour permeability of the joint when used on both sides (inside and outside) so that it retains the capacity to dry out the whole year round.

### Product benefits:

- Sealing that is watertight against driving rain and open to vapour diffusion for the outer level
- Sealing that is airtight and forms a barrier against vapour for the inner level according to DIN 18355
- Intelligent moisture management in the joint thanks to the variable sd-value
- Inner and outer sealing with just one product
- No danger of confusion, no duplicate storage
- Fleece side can be plastered, bonded and painted over, hidden installation
- UV-resistant for at least 4 months
- Moisture and temperature-resistant
- Easy to process with slit protective paper
- Fully adhesive
- Additional self-adhesive strip for the window frame covered by protective paper
- Can be applied on one side or both sides
- Can be used for standard construction substrates\* and window and door profiles\* without the need for additional foil adhesive
- Flexible and elastic foil, absorbs component movements
- Sturdy foil design for permanent function
- Joint sealing compliant with the Leitfaden zur fachgerechten Montage [Guideline for Proper Installation]
- Manufactured under an ISO 9001/EN 29001-compliant quality system

\*Carry out suitable pretests.

Building material class: <b>DIN 13501</b>	Class E
sd-value: <b>DIN EN 12572</b>	sd-value $\geq 0.03$ m to $\leq 15$ m, depending on the average air humidity
Joint permeability coefficient: <b>DIN EN 1026</b>	$a \approx 0 \text{ m}^2/[\text{h} \cdot \text{m} \cdot (\text{daPa})^2]$
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 600$ Pa
UV stability:	At least 4 months
Temperature resistance:	From approx. $-40$ °C to $+80$ °C
Processing temperature:	$+5$ °C to $+45$ °C
Compatibility with adjacent building materials:	Satisfied
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At $+1$ °C to $+20$ °C
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	White

Product name	PU	Item no.
blaugelb Foil DuoSL <sup>600</sup> 75 mm x 30 m single perforation	8 x 30 m	9081827
blaugelb Foil DuoSL <sup>600</sup> 90 mm x 30 m double perforation	6 x 30 m	9081828
blaugelb Foil DuoSL <sup>600</sup> 120 mm x 30 m double perforation	4 x 30 m	9081829
blaugelb Foil DuoSL <sup>600</sup> 200 mm x 30 m double perforation	4 x 30 m	9081830
blaugelb Foil DuoSL <sup>600</sup> 250 mm x 30 m triple perforation	4 x 30 m	9081831

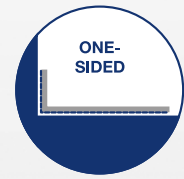
blaugelb

**Foil DuoSL<sup>1050</sup> Power Plus**

Intelligent moisture management in the connecting joint, inner and outer sealing with extreme adhesive strength – all in one product.



**Intelligent moisture management** in the connecting joint with the highest adhesive strength for **one-sided and two-sided application** – perfectly combined in the blaugelb foil DuoSL<sup>1050</sup> Power Plus.



The blaugelb Foil DuoSL<sup>1050</sup> Power Plus is a combination of a special self-regulating plastic foil and a fleece backing. The sealing sheet has a variable sd-value despite its full-surface bonding. It can regulate the water vapour permeability of the joint in inner and outer application such that year-round drying is ensured.

**Product benefits:**

- Sealing that is watertight against driving rain up to 1,050 Pa and open to vapour diffusion for the outer level
- Sealing that is airtight and forms a barrier against vapour for the inner level according to DIN 18355
- Intelligent moisture management in the joint thanks to the variable sd value
- Inner and outer sealing with just one product
- No danger of confusion, no duplicate storage
- Can be plastered and painted over, hidden installation
- UV-resistant for at least 4 months
- Moisture and temperature-resistant
- Simple handling with three self-adhesive strips
- Can be applied on one side or both sides
- High adhesive strength of the self-adhesive on the standard construction substrates and window and door profiles\* without additional foil adhesive
- Flexible and elastic foil, absorbs component movements
- Sturdy foil design for permanent function
- Joint sealing compliant with the “Leitfaden zur fachgerechten Montage” [Guideline for Proper Installation]
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

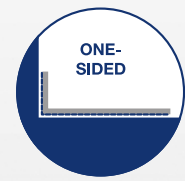
Building material class: <b>DIN 13501</b>	Class E (corresponds to B2 DIN 4102-1)
sd-value: <b>DIN EN 12572</b>	sd-value $\geq 0.03$ m to $\leq 15$ m, depending on the average air humidity
Joint permeability coefficient: <b>DIN EN 1026</b>	$a \approx 0 \text{ m}^2/[\text{h} \cdot \text{m} \cdot (\text{daPa})\text{n}]$
Watertightness against driving rain: <b>DIN EN 1027</b>	$\leq 1,050$ Pa
UV stability:	At least 4 months
Temperature resistance:	From approx. $-40$ °C to $+80$ °C
Processing temperature:	$-5$ °C to $+45$ °C
Compatibility with adjacent building materials:	Satisfied
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At $+1$ °C to $+20$ °C
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	White

Product name	PU	Item no.
blaugelb foil DuoSL <sup>1050</sup> Power Plus 60 mm x 30 m single perforation	10 x 30 m	0419027
blaugelb foil DuoSL <sup>1050</sup> Power Plus 75 mm x 30 m single perforation	8 x 30 m	0424605
blaugelb foil DuoSL <sup>1050</sup> Power Plus 90 mm x 30 m double perforation	6 x 30 m	0419031
blaugelb foil DuoSL <sup>1050</sup> Power Plus 120 mm x 30 m double perforation	4 x 30 m	0419032
blaugelb foil DuoSL <sup>1050</sup> Power Plus 200 mm x 30 m double perforation	4 x 30 m	0419034
blaugelb foil DuoSL <sup>1050</sup> Power Plus 250 mm x 30 m triple perforation	4 x 30 m	9035810

\*Carry out suitable pretests.



Extremely strong adhesion, smooth fitting:  
the blaugelb Foil Inside **SL<sup>1050</sup> Power Plus**.



The blaugelb Foil Inside **SL<sup>1050</sup> Power Plus** is used on the inner level of connecting and expansion joints for windows and doors to ensure sealing that is windtight, watertight to driving rain and open to vapour diffusion during restoration as well as for new construction.

The blaugelb Foil Inside **SL<sup>1050</sup> Power Plus** has a fully adhesive side as well as a self-adhesive strip on the fleece-backed side for installation on window frames. It can thus be bonded on one and both sides.

Combined with the blaugelb Foil Outside **SL<sup>1050</sup> Power One**, it results in the perfect sealing of joints on the inside and outside.

### Product benefits:

- Sealing that is airtight and forms a barrier against vapour for the inner level according to DIN 18355
- With fixed sd-value of approx. 30 m
- Brilliantly high adhesive strength on the standard construction substrates and window and door profiles\* without additional foil adhesive
- Can be applied on one side or both sides
- Fully adhesive on one side
- Self-adhesive strip on the fleece side for (pre)assembly on the window frame
- Can be plastered, bonded and painted over, hidden installation
- UV-resistant for 6 months
- Waterproof
- Flexible and elastic, compensates for joint movements
- Moisture and temperature-resistant
- Easy to process with perforated protective paper
- Joint sealing compliant with the "Leitfaden zur fachgerechten Montage" [Guideline for Proper Installation] and the German Building Energy Law (GEG)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- Manufactured under an ISO 9001/EN 29001-compliant quality system

Building material class: <b>DIN 13501</b>	Class E
sd-value: <b>DIN EN ISO 12572</b>	sd-value approx. 30 m
Joint permeability coefficient: <b>DIN EN 12114</b>	$a < 0.1 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ , no measurable air passage
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 1,050 \text{ Pa}$
Watertightness:	2,000 Pa
UV stability:	Approx. 6 months
Temperature resistance:	From approx. -40 °C to +90 °C
Ambient temperature during handling:	-5 °C to +45 °C if the foil is at the storage temperature
Compatibility with adjacent building materials:	Satisfied
Flexibility at -23 °C:	No break, no cracks
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At +5 °C to +20 °C
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	White

Product name	PU	Item no.
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 75 mm single perforation	8 x 30 m	9123211
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 90 mm double perforation	8 x 30 m	9123212
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 120 mm double perforation	8 x 30 m	9123213
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 150 mm double perforation	4 x 30 m	9123214
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 200 mm double perforation	4 x 30 m	9123215
blaugelb Foil Inside <b>SL<sup>1050</sup> Power Plus</b> 250 mm double perforation	4 x 30 m	9123216

\*Carry out suitable pretests.

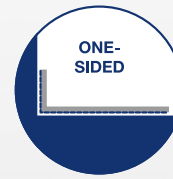
blaugelb

Foil Outside **SL<sup>1050</sup> Power One**

Holds strong where other foils are weak – reliable weather protection for outer joints.



Extremely strong adhesion, smooth fitting:  
the blaugelb Foil Outside **SL<sup>1050</sup> Power One**.



The blaugelb Foil Outside **SL<sup>1050</sup> Power One** is used on the outer level of connecting and expansion joints for windows and doors during restoration as well as for new construction to ensure sealing that is windtight, watertight to driving rain and open to vapour diffusion. Combined with the blaugelb Foil Inside **SL<sup>1050</sup> Power Plus**, it results in the perfect sealing of joints on the inside and outside.

### Product benefits:

- Airtight, windtight and watertight to driving rain as well as open to vapour diffusion for the outer level according to DIN 18355
- With fixed sd-value  $\leq 0.5$  m
- Brilliantly high adhesive strength on the standard construction substrates and window and door profiles\* without additional foil adhesive
- Fully adhesive on one side, can be used on one side
- For sealing threshold profiles and open profile parts
- Can be plastered, bonded and painted over, hidden installation
- UV-resistant for 12 months
- Waterproof
- Flexible and elastic, compensates for joint movements
- Moisture and temperature-resistant
- Easy to process with perforated protective paper
- Joint sealing compliant with the "Leitfaden zur fachgerechten Montage" [Guideline for Proper Installation] and the German Building Energy Law (GEG)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- Manufactured under an ISO 9001/EN 29001-compliant quality system

\*Carry out suitable pretests.

Building material class: <b>DIN 13501</b>	Class E
sd-value: <b>DIN EN ISO 12572</b>	sd-value $\leq 0.5$ m
Joint permeability coefficient: <b>DIN EN 12114</b>	$a < 0.1 \text{ m}^3/[\text{h} \cdot \text{m} \cdot (\text{daPa})^{2/3}]$ , no measurable air passage
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 1,050$ Pa
Watertightness:	2,000 Pa
UV stability:	Approx. 12 months
Temperature resistance:	From approx. $-40$ °C to $+90$ °C

Ambient temperature during handling:	$-5$ °C to $+45$ °C if the foil is at the storage temperature
Compatibility with adjacent building materials:	Satisfied
Flexibility at $-23$ °C:	No break, no cracks
Dimension tolerance: <b>DIN 7715 T5 P3</b>	Satisfied
Storage temperature:	At $+5$ °C to $+20$ °C
Shelf life:	12 months with dry storage in unopened original packaging

Product name	PU	Item no.
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 75 mm single perforation	8 x 30 m	9123143
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 90 mm double perforation	8 x 30 m	9123204
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 120 mm double perforation	8 x 30 m	9123205
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 150 mm double perforation	4 x 30 m	9123206
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 200 mm double perforation	4 x 30 m	9123207
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 250 mm double perforation	4 x 30 m	9123208
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 300 mm double perforation	4 x 30 m	9123209
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 350 mm double perforation	4 x 30 m	9123210
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 64 mm single perforation	12 x 30 m	9123217
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 68 mm single perforation	12 x 30 m	9123218
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 70 mm single perforation	8 x 30 m	9123219
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 74 mm single perforation	8 x 30 m	9123220
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 76 mm single perforation	8 x 30 m	9123221
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 80 mm double perforation	8 x 30 m	9123222
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 82 mm double perforation	8 x 30 m	9123223
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 86 mm double perforation	8 x 30 m	9123224
blaugelb Foil Outside <b>SL<sup>1050</sup> Power One</b> 88 mm double perforation	8 x 30 m	9123225



The blaugelb Spray Primer **increases adhesion** to the substrate at the “touch of a button”:  
 Simply spray on – let it flash off – bond the foil.

The blaugelb Spray Primer is an adhesive agent based on a rubber dispersion for preparing the substrates for bonding the fleece-backed foils. It has an excellent adhesion-enhancing effect on standard construction substrates. The use of the blaugelb Spray Primer is advantageous in order to ensure proper bonding even on difficult substrates. Due to its short flash-off time, further processing can be carried out quickly.

The blaugelb Spray Primer also acts as a spray adhesive. During processing it shows very little “overspray” (unwanted fogging). The spray jet is focused, but wide enough to wet the surfaces. The spray jet can be individually adjusted with the variable spray head. The blaugelb Spray Primer is suitable for use in almost all seasons. It can also be used at slight negative temperatures (down to  $-5\text{ }^{\circ}\text{C}$ ).

### Product benefits:

- Very good adhesion between substrate and foil
- Flashes off quickly
- Highly suitable on almost all substrates
- Very efficient (approx.  $6\text{ m}^2$  per can)
- With variable spray head valve system
- Free of aromatic components
- Very little “overspray” (unwanted fogging)
- Odourless
- Very simple processability
- Ready-to-use
- Compatible with the blaugelb **Triotherm\*** Profile with short flash-off time  $\leq 5\text{ min}$
- Can be used on most standard construction materials\*

\*Carry out suitable pretests

Material base:	Solvent-based rubber dispersion
Colour:	Colourless
Curing system:	Flash-off, drying by evaporation of solvents
Flash-off time:	Approx. 5 minutes at $+20\text{ }^{\circ}\text{C}$ and 50 % RH (at lower temperatures the flash-off time is longer, at higher temperatures it is shorter)
Density:	(At $+20\text{ }^{\circ}\text{C}$ ) $0.7\text{ g/cm}^3$
Applied quantity:	Variable through steplessly adjustable valve; coverage approx. $6\text{ m}^2$ per can
Processing temperature:	Optimal: from $+15\text{ }^{\circ}\text{C}$ to $+25\text{ }^{\circ}\text{C}$ (can, substrate and ambient temperature) Minimum: from $-5\text{ }^{\circ}\text{C}$ (substrate and ambient temperature)
Temperature resistance:	$-25\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$ , short-term up to $+80\text{ }^{\circ}\text{C}$
Shelf life:	12 months in unopened original packaging, dry and frost-free at $+5\text{ }^{\circ}\text{C}$ to $+25\text{ }^{\circ}\text{C}$ . Protect against solar radiation and ensure good ventilation
Delivery form:	500 ml can

Product name	PU	Item no.
blaugelb Spray Primer 500 ml	12 x 500 ml	9066539



blaugelb

## Pressure Roller

For the efficient processing of blaugelb foils.

### For the best connection:

The blaugelb Pressure Roller improves the adhesion of the foil to the substrate



The blaugelb Pressure Roller is the ideal tool for the fast and reliable processing of the foils. It is built to be sturdy and durable for everyday use and equipped with all features for convenient work.

When bonding foils, such as at the connecting joint of windows and doors, it is important for the foil to establish a good adhesive bond with the substrate if a lasting sealing effect is to be guaranteed (follow the processing information for the products). This requires the foils to be pressed firmly against the substrate. That's where the specially optimised properties of the blaugelb Pressure Roller come into their own.

For efficient processing of the foils, the blaugelb Pressure Roller has a sturdy, solid wooden handle and a torsionally rigid steel bracket, ensuring that the pressure is transferred directly with less effort. The ergonomically shaped handle ensures a secure grip so it does not slip from the hand, taking the fatigue out of the job.

### Product benefits:

- Robust design
- Angled, one-sided roller holder for ease of use in corners
- Sturdy, galvanized steel bracket
- Smooth-running roller
- Cylindrical roller made of 8 mm thick hard rubber
- Made in Germany

Dimensions:	L 18.5 cm x W 6.2 cm x H 3.0 cm
Weight:	120 grams
Application:	Pressing foils when bonding to a substrate
Handle:	Solid wooden handle, painted, ergonomically shaped, blue, with sturdy, galvanized steel bracket
Rubber roller:	Hard rubber, cylindrical Thickness 8 mm Width 45 mm Diameter 30 mm

Product name	PU	Item no.
blaugelb Pressure Roller	6 pieces	9074068

The ideal sealing foil for **outer sealing** of connecting and expansion joints.



The blaugelb Foil Basic Outside is a combination of a special plastic foil and a fleece backing. It is used for creating outside-facing connecting joints that are airtight and watertight to driving rain. The sealing sheet exhibits high expandability and tear strength, and can therefore very readily accommodate joint movements.

It is quick and easy to fit to the window frame using a self-adhesive strip. The foil, open to vapour diffusion, ensures effective drying of the outer joint and therefore meets the requirements of EnEV and of proper installation and sealing.

### Product benefits:

- Sealing that is airtight and open to vapour diffusion for the outer level according to DIN 18542
- Flexible and elastic foil, absorbs component movements
- Sturdy foil design for permanent function
- Reliable drying of the outer joint
- Watertight to driving rain and windtight
- Can be plastered and painted over, hidden installation
- UV-resistant up to 3 months
- Moisture and temperature-resistant
- Simple handling with the self-adhesive strip
- Joint sealing compliant with the Leitfaden zur fachgerechten Montage [Guideline for Proper Installation]
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

Material:	Plastic fleece open to vapour diffusion
Fire behaviour: <b>DIN EN 13501</b>	Class E (corresponds to B2 DIN 4102-1)
Joint permeability coefficient: <b>DIN EN 12114</b>	$a \ll 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$ no measurable air passage
Watertightness against driving rain: <b>DIN EN 1027</b>	$\leq 1,050 \text{ Pa}$
Temperature resistance:	From $-40 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$
Grammage:	Approx. $140 \text{ g/m}^2$
sd-value: <b>DIN EN ISO 12572</b>	Approx. $0.05 \text{ m}$
Flexibility at $-23 \text{ }^\circ\text{C}$ :	No break, no cracks
Processing temperature:	$+5 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$
Dimension tolerance: <b>DIN 7715 T5 class P3</b>	Satisfied
Storage temperature:	At $+1 \text{ }^\circ\text{C}$ to $+20 \text{ }^\circ\text{C}$
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	Black

Product name	PU	Item no.
blaugelb Foil Basic Outside 90 mm x 50 m	3 x 50 m	0422087
blaugelb Foil Basic Outside 120 mm x 50 m	2 x 50 m	0422088
blaugelb Foil Basic Outside 200 mm x 50 m	2 x 50 m	0422089

The appropriate blaugelb Foil Adhesive can be found on page 40.

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## Foil Basic Inside

For permanently airtight inner sealing in hidden installation.



The ideal sealing foil for **inner sealing** of connecting and expansion joints.



The blaugelb Foil Basic Inside is a combination of a special plastic foil and a fleece backing. It is used for creating inside-facing connecting joints that are airtight and windtight. The sealing sheet exhibits high expandability and tear strength, and can therefore very readily accommodate joint movements.

It is quick and easy to fit to the window frame using a self-adhesive strip. The foil, inhibiting vapour diffusion, ensures effective separation of the indoor and outdoor climates and therefore meets the requirements of EnEV and of proper installation and sealing.

### Product benefits:

- Sealing that is airtight and forms a barrier against vapour for the inner level according to DIN 18542
- Flexible and elastic foil, absorbs component movements
- Sturdy foil design for permanent function
- Reliably separates indoor and outdoor climates
- Watertightness against driving rain
- Can be plastered and painted over, hidden installation
- UV-resistant up to 3 months
- Moisture and temperature-resistant
- Simple handling with the self-adhesive strip
- Joint sealing compliant with the Leitfaden zur fachgerechten Montage [Guideline for Proper Installation]
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

Material:	Vapour diffusion inhibiting plastic fleece
Fire behaviour: <b>DIN EN 13501</b>	Class E (corresponds to B2 DIN 4102-1)
Joint permeability coefficient: <b>DIN EN 12114</b>	$a \ll 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$ no measurable air passage
Watertightness against driving rain: <b>DIN EN 1027</b>	$\leq 1,050 \text{ Pa}$
Temperature resistance:	From $-40 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$
Grammage:	Approx. $180 \text{ g/m}^2$
sd-value: <b>DIN EN ISO 12572</b>	Approx. $39 \text{ m}$
Processing temperature:	$+5 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$
Dimension tolerance: <b>DIN 7715 T5 class P3</b>	Satisfied
Storage temperature:	At $+1 \text{ }^\circ\text{C}$ to $+20 \text{ }^\circ\text{C}$
Shelf life:	12 months with dry storage in unopened original packaging
Colour:	Blue

Product name	PU	Item no.
blaugelb Foil Basic Inside 90 mm x 30 m	6 x 30 m	0422083
blaugelb Foil Basic Inside 120 mm x 30 m	4 x 30 m	0422084
blaugelb Foil Basic Inside 200 mm x 30 m	2 x 30 m	0422085

The appropriate blaugelb Foil Adhesive can be found on page 40.

The building block for **bonding**  
**blaugelb foils** inside and outside.



The blaugelb Foil Adhesive Hybrid grey is a one-component, permanently elastic adhesive on a hybrid polymer basis for bonding blaugelb foils to structures.

Designed for indoor and outdoor use, the blaugelb Foil Adhesive Hybrid grey is water-resistant and also weather and UV-resistant. Thanks to its good initial adhesion, it can usually be applied without primer to almost all – even wet – substrates encountered in construction. A softer formulation has been defined for ease of processing.

### Product benefits:

- Outstandingly suitable for bonding fleece-backed blaugelb foils
- Very good processability thanks to softer formulation
- Moisture and temperature-resistant
- Weather and water-resistant once cured
- Can be used from as low as 0 °C (ambient temperature and substrate, ice-free)
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate and solvent-free
- Non-corrosive
- Almost odourless
- Very easy to plaster over once cured
- Suitable for all standard construction surfaces\*
- Building material class B2 (DIN 4102)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Material base:	1C hybrid polymer
Colour:	Grey
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN 4102-4</b>	B2
Curing speed: At 23 °C and 50 % RH	Approx. 2 mm / 24 h.
Skin formation: At 23 °C and 50 % RH	Approx. 10 minutes
Density: <b>DIN 53479</b>	1.45 g/ml
Shore A hardness:	50 ± 5
Max. permissible deformation: <b>DIN EN ISO 11600</b>	25 %
Change in volume: <b>DIN EN ISO 10563</b>	-2 to -3 vol.%
Elongation at break: <b>DIN 53504</b>	> 900 %
Elastic recovery: <b>ISO 7389-B</b>	> 70 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0 °C to +40 °C Substrate: 0 °C to +35 °C
Temperature resistance:	From -40 °C to +90 °C
Moisture resistance:	Waterproof
Ecological report:	EMICODE EC1 Plus
Plastering over:	Very easy to plaster over once cured
Shelf life:	12 months in unopened pack at +5 °C to +25 °C
Delivery form:	600 ml tubular bag

Product name	PU	Item no.
blaugelb Foil Adhesive Hybrid 600 ml grey	12 bags	0426597

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## Joint Sealing Tape 600 BG 1

Pre-compressed joint sealing tape for versatile applications for connecting joints.



The **safe solution** for varied sealing of the connecting joint – even with cavity walls.



The blaugelb Joint Sealing Tape 600 BG 1 is a pre-compressed PU foam tape with an acrylate-based impregnation. The blaugelb Joint Sealing Tape 600 BG 1 is suitable for the sealing of expansion joints exposed to driving rain. It is pre-compressed, can also be applied to joints that already exist and securely and reliably seals these resistant to UV light.

### Product benefits:

- Weather-resistant tested according to BG 1 (DIN 18542)
- Watertight against driving rain over 600 Pa (corresponds to approx. wind strength 11, buildings up to 100 m height)
- Very good sound and thermal insulation values
- Open to vapour diffusion
- Moisture and temperature-resistant
- Simple and fast handling with a self-adhesive strip, saves time and money
- High adhesive strength of the self-adhesive on the standard construction substrates and window profiles\*
- Building material class B1 – difficult to ignite (according to DIN 4102)
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Building material class: <b>DIN 4102</b>	B1 (difficult to ignite)
Classification of stress group: <b>DIN 18542</b>	BG 1 and BG R
Joint permeability coefficient for external application BG 1: <b>DIN EN 12114</b>	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Joint permeability coefficient for internal application BG R: <b>DIN EN 12114</b>	$a \leq 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Watertightness of joints and joint intersections: <b>DIN EN 1027</b>	$\geq 600 \text{ Pa}$
Joint sound insulation:	$R_{\text{STW}} (\text{C}; \text{Ctr}) = 44 (-1; -2) \text{ dB}$ with tape dimension 20/9-20
Compatibility with adjacent building materials: <b>DIN 18542</b>	Satisfied
Light and weather resistance: <b>DIN 18542</b>	Satisfied
sd-value: <b>DIN EN ISO 12572</b>	Open to vapour diffusion on outside $\leq 0.5 \text{ m}$
Colour:	Anthracite, grey

Product name	PU	Item no.
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/2-6 mm	20 x 12 m	0418842
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/5-12 mm	20 x 5.6 m	0418844
blaugelb Joint Sealing Tape 600 BG 1 anthracite 15/6-15 mm	20 x 4.3 m	0427860
blaugelb Joint Sealing Tape 600 BG 1 anthracite 20/5-12 mm	15 x 5.6 m	0418845
blaugelb Joint Sealing Tape 600 BG 1 anthracite 20/9-20 mm	15 x 3.3 m	0418846
blaugelb Joint Sealing Tape 600 BG 1 anthracite 24/1-4 mm	12 x 13 m	9122891
blaugelb Joint Sealing Tape 600 BG 1 anthracite 25/11-25 mm	12 x 2.6 m	0418848
blaugelb Joint Sealing Tape 600 BG 1 grey 15/2-6 mm	20 x 12 m	0418849
blaugelb Joint Sealing Tape 600 BG 1 grey 15/5-12 mm	20 x 5.6 m	0418850
blaugelb Joint Sealing Tape 600 BG 1 grey 15/6-15 mm	20 x 4.3 m	0427861
blaugelb Joint Sealing Tape 600 BG 1 grey 20/5-12 mm	15 x 5.6 m	0418851
blaugelb Joint Sealing Tape 600 BG 1 grey 20/9-20 mm	15 x 3.3 m	0418852
blaugelb Joint Sealing Tape 600 BG 1 grey 25/11-25 mm	12 x 2.6 m	0418853





The **safe solution** for varied sealing of the connecting joint – for new construction and refurbishment.



The blaugelb Joint Sealing Tape 300 BG 2 is a pre-compressed PU foam tape with an acrylate-based impregnation. The blaugelb joint sealing tape 300 BG 2 can be plastered and painted over and thus be installed completely hidden. It is suitable for restoration as well as for new construction. Because it is pre-compressed, it can also be applied to joints that already exist.

### Product benefits:

- Tested according to BG 2 (DIN 18542), weather-resistant in covered external application
- Watertight against driving rain over 300 Pa
- Open to vapour diffusion
- Moisture and temperature-resistant
- Simple and fast handling with a self-adhesive strip, saves time and money
- High adhesive strength of the self-adhesive on the standard construction window and door profiles\*
- Building material class B1 – difficult to ignite (according to DIN 4102)
- Manufactured under an ISO 9001/EN 29001-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Building material class: <b>DIN 4102</b>	B1 (difficult to ignite)
Classification of stress group: <b>DIN 18542</b>	BG 2
Joint permeability coefficient: <b>DIN EN 12114</b>	$a \leq 1.0 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})]$
Watertightness against driving rain: <b>DIN EN 1027</b>	$\geq 300 \text{ Pa}$
Resistance to temperature changes: <b>DIN 18542</b>	From $-30 \text{ }^\circ\text{C}$ to $+90 \text{ }^\circ\text{C}$
Compatibility with adjacent building materials: <b>DIN 18542</b>	Satisfied
Light and weather resistance: <b>DIN 18542</b>	Satisfied
sd-value: <b>DIN EN ISO 12572</b>	Open to vapour diffusion on outside $\leq 0.5 \text{ m}$
Colour:	Anthracite

Product name	PU	Item no.
blaugelb Joint Sealing Tape 300 BG 2 anthracite 10/1-2 mm	30 x 20 m	0418854
blaugelb Joint Sealing Tape 300 BG 2 anthracite 15/2-6 mm	20 x 12 m	0418855
blaugelb Joint Sealing Tape 300 BG 2 anthracite 15/5-12 mm	20 x 5.6 m	0418857
blaugelb Joint Sealing Tape 300 BG 2 anthracite 20/5-12 mm	15 x 5.6 m	0418858
blaugelb Joint Sealing Tape 300 BG 2 anthracite 20/9-20 mm	15 x 3.3 m	0418860
blaugelb Joint Sealing Tape 300 BG 2 anthracite 25/11-25 mm	12 x 2.6 m	0418861

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**Clip**

Holds the blaugelb Joint Sealing Tapes tightly in a compressed form after use.



The blaugelb Clip holds together opened blaugelb Joint Sealing Tapes with a width of max. 30 mm, which secures the rolls against unwanted expanding and keeps them compressed for the next time they are used. It safely and reliably prevents expansion of the tape roll.

The blaugelb Clip presses the end of the tape firmly against the roll and the powerful spring mechanism with the non-slip nubs on the sides securely holds the clip on the tape.

Opened tape rolls can be used further and used up entirely – which prevents waste and is environmentally friendly.

The blaugelb Clip can be used everywhere thanks to its compact dimensions. Both at a construction site as well as in production, it ensures clarity and order.

For multifunctional tapes with a width over 30 mm, we recommend the blaugelb Strap (part no. 9210234).

### Product benefits:

- Prevents unwanted expansion of opened rolls
- Strong retention force through powerful spring mechanism
- Sustainable solution – reusable over and over
- Robust, firm plastic with strong spring and non-slip nubs
- For tape widths up to 30 mm
- Large opening area (up to 35 mm) for simple application on the roll
- Opened rolls stay compressed and can be used again
- Prevents waste and protects the environment

Material:	Firm, unbreakable plastic
Width:	Approx. 35 mm
Length:	Approx. 80 mm
Height:	Approx. 53 mm

Product name	PU	Item no.
blaugelb Clip blue	100 pcs.	9210033

### Preparation and processing:

Press together the blaugelb Clip and apply it with the opening fully and firmly onto the tape so that the end of the tape is secured. Using the spring mechanism, the blaugelb Clip automatically holds onto the roll and securely seals this. The rolls should be used again soon; application is not intended for the storage of opened rolls.



High performance and a high degree of protection – combined in one product.



blaugelb 1C Gun Foam EcoTech White Plus is a one-component PU filling foam whose next-generation formula enables sustainable insulation. Due to the low residual content of free isocyanate < 0.1 %, blaugelb 1C Gun Foam EcoTech White Plus offers greater user friendliness when processing. The highest of the 4 quality levels from DGNB is met. blaugelb 1C Gun Foam EcoTech White Plus is also very low-emission, as verified by the EMICODE EC1 Plus certificate. blaugelb 1C Gun Foam EcoTech White Plus is thus predestined for sustainable, health-conscious construction.

## Product benefits:

- Satisfies the highest level for sustainable construction (DGNB 2018): quality level 4
- Low-monomer, harmless for users
- No training necessary for isocyanates
- Moisture-curing
- Fast handling
- Yield up to 24 litres, up to 19 linear metres of window frame (lfm)
- Can be used at temperatures from +5 °C to +30 °C
- Outstanding thermal and sound insulation values
- Moisture and temperature-resistant
- Very fine cells and rather elastic, durably stable and accommodates movement
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- For universal application for filling, insulating and sealing
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Suitable for all standard construction surfaces\*
- Building material class B2 (DIN 4102), corresponds to Class E (EN 13501-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Non-tacky: <b>EN 17333-1.2 dry</b>	Approx. 20 min
Can be cut: <b>EN 17333-3.1 dry</b>	Approx. 95 min
Fully load bearing:	Approx. 12 h (30 mm section)
Yield: <b>EN 17333-1.1 dry</b>	Up to 18 lfm
Yield: <b>EN 17333-1.2 moist</b>	Up to 24 l
Processing temperature of can: min / max / ideal	+5 °C / +30 °C / +20 °C
Processing temperature of surface: min / max / ideal	+5 °C / +30 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	+5 °C / +30 °C / +20 °C
Elongation at break: <b>EN 17333-4.2 dry</b>	Approx. 30 %
Elongation at break: <b>EN 17333-4.2 moist</b>	Approx. 28 %
Shear strength: <b>EN 17333-4.3 moist</b>	Approx. 55 kPa
Compressive strength at 10 % compression: <b>EN 17333-4.1 dry</b>	Approx. 20 kPa
Compressive strength at 10 % compression: <b>EN 17333-4.1 moist</b>	Approx. 20 kPa
Thermal conductivity: <b>DIN EN 12667:2001</b>	Approx. 0.035 W/(m*K)
Air permeability when new:	$a < 0.1 \text{ m}^3 / [\text{h} \cdot \text{m}^2 (\text{daPa})^{2/3}]$ No measurable air passage
Joint sound insulation:	Tested joint sound insulation 10 mm: $[R_{s,w} (C; C_w) \geq 64 (-1; -5) \text{ dB}]$ 20 mm: $[R_{s,w} (C; C_w) \geq 64 (-1; -4) \text{ dB}]$
Temperature resistance cured:	-40 °C to +60 °C
Building material class: <b>DIN EN 13501-1</b>	Class E (normal combustibility) corresponds to B2 (DIN 4102-1)
Storage life with dry, cool storage:	18 months, vertical and horizontal
Valve type:	Safety valve
Colour:	White

Product name	PU	Item no.
blaugelb 1C Gun Foam EcoTech White Plus Class E 500 ml, 12 x 500 ml can with PDR		9191064

Density of the released foam: <b>EN 17333-1.3 dry</b>	Approx. 19 kg/m <sup>3</sup>
Cell size/consistency:	Predominantly closed

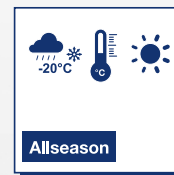
blaugelb

# 1C Gun Foam Premium Allseason XXL Class E

An assembly foam for all seasons – the perfect solution from blaugelb.



A reliable companion **during every season** – the blaugelb Premium Allseason XXL Foam.



The blaugelb 1C Gun Foam Premium Allseason XXL Class E is a one-component PU assembly foam that can be used at temperatures from  $-20\text{ }^{\circ}\text{C}$  to  $+30\text{ }^{\circ}\text{C}$  thanks to its special recipe.

The blaugelb 1C Gun Foam Premium Allseason XXL Class E has a specially developed formula that reacts to form a very fine and homogeneous cell structure and ensures even drying, even without the addition of moisture.

### Applications: Filling – Insulating – Sealing.

In window construction for the backfilling and sealing of connecting joints in windows and roller shutter cases and for the filling of connecting joints of outer door cases (not for assembly without any additional mechanical attachment).

### Product benefits:

- Can be used year-round at surrounding and surface temperatures of  $-20\text{ }^{\circ}\text{C}$  to  $+30\text{ }^{\circ}\text{C}$  without additional moistening
- High coverage with a yield of up to 65 litres of foam
- Outstanding thermal and sound insulation values
- Moisture and temperature-resistant
- Work possible irrespective of the weather
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- For universal application for filling, insulating and sealing
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Exceptionally suited for time-critical application due to its fast processability
- Suitable for all standard construction surfaces\*
- Class E fire behaviour according to DIN EN 13501-1, corresponds to B2 (DIN 4102-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

Apparent density:	10 – 12 kg/m <sup>3</sup>
Cell size/consistency:	Fine
Non-tacky:	Approx. 8 min (20 mm section)
Can be cut:	9 – 12 min (20 mm section)
Fully load bearing:	12 h (20 mm section)
Yield:	Up to 65 litres of foam
Processing temperature of can: min / max / ideal	$+5\text{ }^{\circ}\text{C}$ / $+30\text{ }^{\circ}\text{C}$ / $+20\text{ }^{\circ}\text{C}$
Processing temperature of surface: min / max / ideal	$-20\text{ }^{\circ}\text{C}$ / $+30\text{ }^{\circ}\text{C}$ / $+20\text{ }^{\circ}\text{C}$
Processing temperature of surroundings: min / max / ideal	$-20\text{ }^{\circ}\text{C}$ / $+30\text{ }^{\circ}\text{C}$ / $+20\text{ }^{\circ}\text{C}$
Tensile strength: <b>on the basis of DIN 53430</b>	6 – 7 N/cm <sup>2</sup>
Elongation at break: <b>on the basis of DIN 53430</b>	Approx. 10 – 14 %
Shear strength: <b>on the basis of DIN 53427</b>	Approx. 3 – 4 N/cm <sup>2</sup>
Compression stress at 10 % compression: <b>on the basis of DIN 53421</b>	Approx. 1.5 – 2.5 N/cm <sup>2</sup>
Thermal conductivity: <b>DIN EN 12667:2001</b>	Approx. 0.0374 W/(m <sup>2</sup> K)
Joint sound insulation:	Tested joint sound insulation 10 mm: $[R_{ST,w}(C;C_w)] \geq 63$ (-2; -4) dB 20 mm: $[R_{ST,w}(C;C_w)] \geq 63$ (-1; -4) dB
Permanent temperature resistance: cured foam	$-40\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$
Short-term temperature resistance: cured foam	$+100\text{ }^{\circ}\text{C}$
Building material class: <b>DIN EN 13501-1</b>	Class E (normal combustibility) corresponds to B2 (DIN 4102-1)
Storage life: with dry, cool storage	15 months, vertical and horizontal
Valve type:	Safety valve
Colour:	Ivory

Product name	PU	Item no.
blaugelb 1C Gun Foam Premium Allseason XXL Class E 750 ml, with PDR, D/GB	12 x 750 ml can	0419825

\*Carry out suitable pretests.

# 1C Gun Foam XXL Class E

An assembly foam with an extremely high yield – the economical solution from blaugelb.



High yield combined with **very good thermal and sound insulation values** – thinking economically with blaugelb.



blaugelb 1C Gun Foam XXL Class E is a one-component PU assembly foam whose recipe delivers the maximum possible yield. Its high exit speed makes it fast and effective to use, even at low temperatures up to  $-5^{\circ}\text{C}$ .

## Product benefits:

- Can be used at surrounding and surface temperatures of  $-5^{\circ}\text{C}$  to  $+30^{\circ}\text{C}$
- Fast handling
- High coverage with a yield of up to 45 litres of foam
- Outstanding thermal and sound insulation values
- Moisture and temperature-resistant
- Work possible irrespective of the weather
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- For universal application for filling, insulating and sealing
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Exceptionally suited for time-critical application due to its fast processability
- Suitable for all standard construction surfaces\*
- Class E fire behaviour according to DIN EN 13501-1, corresponds to B2 (DIN 4102-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Apparent density:	10 – 13 kg/m <sup>3</sup>
Cell size/consistency:	Medium - fine
Non-tacky:	Approx. 7 min (20 mm section)
Can be cut:	8 – 10 min (20 mm section)
Fully load bearing:	12 h (20 mm section)
Yield of 500 ml can:	up to 45 litres of foam
Processing temperature of can: min / max / ideal	$+5^{\circ}\text{C}$ / $+30^{\circ}\text{C}$ / $+20^{\circ}\text{C}$
Processing temperature of surface: min / max / ideal	$-5^{\circ}\text{C}$ / $+30^{\circ}\text{C}$ / $+20^{\circ}\text{C}$
Processing temperature of surroundings: min / max / ideal	$-5^{\circ}\text{C}$ / $+30^{\circ}\text{C}$ / $+20^{\circ}\text{C}$
Tensile strength: <b>on the basis of DIN 53430</b>	8 N/cm <sup>2</sup>
Elongation at break: <b>on the basis of DIN 53430</b>	Approx. 18 %
Shear strength: <b>on the basis of DIN 53427</b>	Approx. 3 – 3.5 N/cm <sup>2</sup>
Compression stress at 10 % compression: <b>on the basis of DIN 53421</b>	Approx. 2 – 3 N/cm <sup>2</sup>
Thermal conductivity: <b>DIN EN 12667:2001</b>	Approx. 0.0380 W/(m <sup>2</sup> K)
Joint sound insulation:	Tested joint sound insulation 10 mm: $[R_{ST,w}(C;C_w)] \geq 60$ (-2; -6) dB 20 mm: $[R_{ST,w}(C;C_w)] \geq 59$ (-1; -5) dB
Permanent temperature resistance: cured foam	$-40^{\circ}\text{C}$ to $+80^{\circ}\text{C}$
Short-term temperature resistance: cured foam	$+100^{\circ}\text{C}$
Building material class: <b>DIN EN 13501-1</b>	Class E (normal combustibility) corresponds to B2 (DIN 4102-1)
Storage life: with dry, cool storage	15 months, vertical and horizontal
Valve type:	Safety valve
Colour:	Ivory

Product name	PU	Item no.
blaugelb 1C Gun Foam XXL Class E 500 ml, with PDR, D/GB	12 x 500 ml can	0419830



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# 1C Gun Foam B2

Dimensionally stable and with high adhesion – the assembly foam for varied applications.



The **stable all-rounder** with high internal values.



blaugelb 1C Gun Foam B2 is a one-component PU assembly foam with outstanding dimensional stability and adhesion. The volume shrinkage and subsequent elongation after curing are extremely low. Together with the rapid full cure, this allows efficient work and swift further processing. The blaugelb 1C Gun Foam B2 can be precisely dispensed, has high stability and does not collapse when applied. In this way, even larger cavities can be easily filled with several layers of foam.

## Product benefits:

- Outstanding dimensional stability, meaning no volume shrinkage and only low subsequent elongation after curing
- Excellent adhesion to almost all substrates\*
- Very good sound and thermal insulation
- Rapid full cure
- Versatile in application
- Solvent-free
- Resistant to a number of chemicals, solvents, paints, oil and petrol
- Non-ageing, rotproof, resistant to mould and decay
- Manufactured under an ISO 9001-compliant quality system
- Fire behaviour B2 (DIN 4102-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests

Apparent density:	Approx. 22 kg/m <sup>3</sup>
Cell size/consistency:	Stable; approx. 70 – 80 %, closed
Non-tacky:	Approx. 8 min (30 mm section)
Can be cut:	Approx. 40 min (30 mm section)
Fully load bearing:	Approx. 12 h (30 mm section)
Can be despread:	Approx. 2 h (30 mm joint)
Yield of 750 ml can:	<b>Up to 45 litres of foam</b>
Processing temperature of can: min / max / ideal	+5 °C / +30 °C / +20 °C
Processing temperature of surface: min / max / ideal	+5 °C / +35 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	+5 °C / +35 °C / +20 °C

Elongation at break: <b>DIN 53571</b>	Approx. 10 %
Shear strength: <b>ISO 1922</b>	0.14 N/mm <sup>2</sup>
Compression stress at 10 % compression: <b>DIN EN ISO 844</b>	0.3 N/mm <sup>2</sup>
Thermal conductivity: <b>DIN 52612</b>	Approx. 0.0367 W/(m*K)
Joint sound insulation:	Tested joint sound insulation 10 mm: [R <sub>st,w</sub> (C;C <sub>w</sub> ) = 60 (-1; -3) dB] 20 mm: [R <sub>st,w</sub> (C;C <sub>w</sub> ) = 60 (-1; -3) dB]
Permanent temperature resistance: cured foam	-40 °C to +90 °C
Short-term temperature resistance: cured foam	+120 °C (max. up to 1 h)
Building material class: <b>DIN 4102-1</b>	B2 (normal combustibility)
Change in volume: <b>DIN EN ISO 10563</b>	< 3 %
Water absorption: <b>EN 1609</b>	1 vol.%
Storage life: with dry, cool storage	18 months, upright
Valve type:	Siliconised safety valve
Colour:	Beige

## Product name

PU

Item no.

blaugelb 1C Gun Foam B2 750 ml,  
with PDR, D/GB

12 x 750 ml can

9022762



The blaugelb Foam Gun MultiPro is the versatile professional tool for the processing of blaugelb Gun Foams. Built to be sturdy and durable for everyday use and equipped with all features for convenient work.

The gun tube of the blaugelb Foam Gun MultiPro can be steplessly adjusted in all directions so that corners, nooks and other difficult to access locations can be easily reached.

The blaugelb Foam Gun MultiPro is supplied with a dispensing tip set that comprises two tubes for extension and for protection of the gun tip against damage and abrasion, two transparent tips for precise foaming and small gaps, and two red fine nozzles for sealing ETICS parts.

### Product benefits:

- High quality foam gun
- Sturdy metal body
- Continuously variable gun tube for use at locations that are difficult to access
- Precise dosage using an adjusting wheel
- Adapter and needle with non-stick coating
- With special professional seal set, quadruple sealing at the needle

Dimensions:	36 x 16.5 x 5.5 cm (L x W x H)
Application:	PU foam can with blaugelb gun adapter
Weight:	358 g
Scope of supply:	Gun incl. suitable dispensing tip set

Product name	PU	Item no.
blaugelb Foam Gun MultiPro	1 piece	0400406

Did you know that a foam gun has a considerable influence on the quality and the fineness of the cells of the gun foam and its coverage?

**We therefore recommend using our coordinated products.**



The blaugelb Foam Gun is the suitable tool for the processing of blaugelb Gun Foams. Built to be sturdy and durable for everyday use and equipped with all features for convenient work. For optimum processing and dosage of the PU foams, the foam can and the foam gun should form a coordinated system. The blaugelb Foam Gun is compatible with the valves and gun adapters of the blaugelb Gun Foams. The fitting accuracy was specially tested.

### Product benefits:

- High quality foam gun
- Sturdy metal body
- Precise dosage using an adjusting wheel
- Adapter and needle with non-stick coating
- With special professional seal set, quadruple sealing at the needle

Dimensions:	36 x 16.5 x 5.5 cm (L x W x H)
Application:	PU foam can with blaugelb gun adapter
Weight:	330 g

Product name	PU	Item no.
blaugelb Foam Gun	1 piece	0361772

blaugelb

## 2C Assembly Foam Easysystem Class E

Two-component PU assembly foam for the assembly of door frames with innovative wing activation.



A practical application system that makes the work easier and solid internal values are convincing with the **blaugelb 2C Assembly Foam Easysystem** across the entire spectrum.



blaugelb 2C Assembly Foam Easysystem Class E is a two-component PU assembly bonding foam that hardens **without moisture** thanks to its special recipe. Curing occurs very rapidly due to the reaction of the two components. One can of blaugelb 2C Assembly Foam Easysystem Class E is sufficient for the assembly of 2 to 3 internal door cases, depending on the gap width.

### Product benefits:

- Very rapid curing without the addition of moisture
- Practical application using the rotary applicator
- High bond strength
- Coverage for 2 to 3 door cases with one can due to the yield of up to 10 litres of foam
- Outstanding thermal and sound insulation values
- Moisture and temperature-resistant
- Non-bonding safety valve allows vertical or horizontal storage without a loss of propellant, with extended storage stability
- The ideal amount of foam can be dispensed without drops or soiling
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system
- Suitable for all standard construction surfaces\*
- Class E fire behaviour according to DIN EN 13501-1, corresponds to B2 (DIN 4102-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Apparent density:	25 – 35 kg/m <sup>3</sup>
Cell size/consistency:	very fine
Non-tacky:	Approx. 8 min (depending on the reaction in the can)
Can be cut:	9 – 12 min (30 mm section)
Fully load bearing:	Approx. 3 h (30 mm section)
Can be despread:	30 min (30 mm joint)
Yield:	Up to 10 litres of foam
Processing temperature of can: min / max / ideal	+10 °C / +25 °C / +20 °C
Processing temperature of surface: min / max / ideal	+5 °C / +30 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	+5 °C / +30 °C / +20 °C
Tensile strength: <b>on the basis of DIN 53430</b>	13 – 15 N/cm <sup>2</sup>
Elongation at break: <b>on the basis of DIN 53430</b>	Approx. 23 – 28 %
Shear strength: <b>on the basis of DIN 53427</b>	Approx. 8 – 10 N/cm <sup>2</sup>
Compression stress at 10 % compression: <b>on the basis of DIN 53421</b>	Approx. 8 – 10 N/cm <sup>2</sup>
Thermal conductivity: <b>DIN EN 12667:2001</b>	Approx. 0.0259 W/(m·K)
Joint sound insulation:	Tested joint sound insulation 10 mm: [R <sub>st,w</sub> (C;C <sub>w</sub> ) ≥ 60 (-1; -5) dB] 20 mm: [R <sub>st,w</sub> (C;C <sub>w</sub> ) ≥ 59 (-1; -4) dB]
Permanent temperature resistance: cured foam	-40 °C to +80 °C
Short-term temperature resistance: cured foam	+100 °C
Building material class: <b>DIN EN 13501-1</b>	Class E (normal combustibility) corresponds to B2 (DIN 4102-1)
Storage life: with dry, cool storage	18 months, vertical and horizontal
Valve type:	Safety valve
Colour:	Light green

Product name	PU	Item no.
blaugelb 2C Assembly Foam Easysystem Class E 400 ml, with PDR, D/GB	12 x 400 ml can	0419828



The ideal solution for the **assembly of door frames** – quick, straightforward and permanent.



The blaugelb 2C Frame Foam Rapid Pro is a two-component PU assembly bonding foam that hardens without blowing agent. Curing occurs very rapidly as a result of combination of the two components in the provided static mixing tube. During the spreading time of only approx. 20 minutes, only spreaders need be used; no further mechanical attachment is required when assembling interior doors.

### Applications: Bonding – sealing

The blaugelb 2C Frame Foam Rapid Pro is ideal for rapid assembly of door frames on interior and exterior doors (not for assembly without any additional mechanical attachment). Suitable for the attachment of wooden door cases, window sills, stair treads. The maximum joint width for the assembly of door frames is 30 mm. One dual cartridge of blaugelb 2C Frame Foam Rapid Pro is sufficient for the assembly of 1 to 2 internal door cases, depending on the joint dimension.

The blaugelb 2C Frame Foam Rapid Pro exhibits outstanding adhesion to all standard construction surfaces (except PE, PP, PTFE, silicones, oils, greases, mould release agents or similar materials). Carry out suitable pretests.

Once cured, the foam is predominantly closed, rot-proof and non-ageing, though not if exposed to UV radiation.

### Product benefits:

- Extremely rapid curing without moisture
- Without propellant
- High bond strength
- Can be cut after approx. 5 minutes
- Can be despread after approx. 20 minutes
- Moisture and temperature-resistant
- Manufactured under an ISO 9001:2008-compliant quality system
- Suitable for all standard construction surfaces\*
- Building material class B2 (DIN 4102-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Apparent density:	Approx. 46 kg/m <sup>3</sup>
Cell size/consistency:	Approx. 70 – 80 %, closed
Non-tacky:	Approx. 1 min (30 mm section)
Can be cut:	Approx. 5 min (30 mm section)
Fully load bearing:	Approx. 2 h (30 mm section)
Can be despread:	Approx. 20 min (30 mm joint)
Yield:	Up to 5.5 litres of foam
Processing temperature of can: min / max / ideal	+10 °C / +30 °C / +20 °C
Processing temperature of surface: min / max / ideal	+10 °C / +35 °C / +20 °C
Processing temperature of surroundings: min / max / ideal	+10 °C / +35 °C / +20 °C
Post-elongation:	None
Elongation at break: <b>DIN 53571</b>	Approx. 25 %
Shear strength: <b>DIN 53427</b>	Approx. 0.14 N/cm <sup>2</sup>
Compressive strength: <b>DIN 53421</b>	Approx. 0.3 N/cm <sup>2</sup>
Thermal conductivity: <b>DIN 52612</b>	Approx. 0.033 W/(m <sup>2</sup> K)
Water absorption: <b>DIN 53428</b>	2 vol.%
Water vapour permeability:	70 g/m <sup>2</sup> in 24 h
Permanent temperature resistance: cured foam	-40 °C to +90 °C
Short-term temperature resistance: cured foam	+120 °C (max. 1 h)
Building material class: <b>DIN 4102-1</b>	B2
Storage life: with dry, cool storage	9 months
Colour:	Beige

Product name	PU	Item no.
blaugelb 2C Frame Foam Rapid Pro 210ml D/GB	16 cartridges	0223417

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## Foam Gun Cleaner

Thorough cleaning for the blaugelb Dispensing Gun and the fresh PU foam.



Thanks to its high cleaning power, blaugelb Foam Gun Cleaner is ideally suited for removing fresh PU foam. It was developed specifically for cleaning blaugelb Dispensing Guns, but can also be used for other standard dispensing guns. The red spray head supplied can remove other fresh PU foam contamination.

### Product benefits:

- High cleaning power
- Dissolves the fresh PU foam reliably so that it can be easily removed
- Prolongs the life and functional capacity of blaugelb Dispensing Guns if used regularly
- Possible use: For the dispensing gun and for universal application
- Specially developed for the blaugelb Dispensing Guns with the matching adapter ring
- The red spray head supplied allows blaugelb Foam Gun Cleaner to be sprayed onto other contaminated surfaces or objects
- Propellant harmless to the ozone layer
- Manufactured under an ISO 9001-compliant quality system

Product name	PU	Item no.
blaugelb Foam Gun Cleaner 500 ml	12 x 500 ml can	0419829



Die Kundenmarke.

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A clear matter: **Bonding and sealing**  
with the blaugelb Hybrid Polymer Crystal

The blaugelb Hybrid Polymer Crystal is a one-component, permanently elastic sealant and adhesive that cures crystal-clear. Formulated on the basis of a hybrid polymer, it exhibits high initial adhesion and rapid full cure.

Thanks to its crystal-clear transparency, the blaugelb Hybrid Polymer Crystal is ideal for bonding between or to glass indoors, but also for a large range of other applications (not as a glazing sealant). The blaugelb Hybrid Polymer Crystal is waterproof and weather-resistant and also resistant to many chemicals.

Thanks to its high initial adhesion, it can usually be applied without primer to almost all – even wet – substrates encountered in construction.

### Product benefits:

- Universally usable for sealing and bonding
- Crystal clear
- Very good processability
- Moisture and temperature-resistant
- Weather-resistant
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate and solvent-free
- Non-corrosive
- Odourless
- Exceptionally suited for time-critical application due to its fast processability
- Cured by atmospheric humidity from outside inwards
- Very good coatability according to DIN 52452-A1\*, can be painted over wet-in-wet
- Suitable for all standard construction surfaces\*
- Building material class E (DIN EN 13501-1)

\*Carry out suitable pretests.

Material base:	1C hybrid polymer
Colour:	Crystal clear
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN EN 13501-1</b>	Class E
Curing speed: At 23 °C and 50 % RH	Approx. 2-3 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 10 minutes
Density: <b>DIN 53479</b>	1.04 g/ml
Shore A hardness: <b>DIN 53505</b>	38 ± 5
Max. permissible deformation: <b>DIN EN ISO 11600</b>	20 %
Change in volume: <b>DIN EN ISO 10563</b>	-3 to -4 vol. %
Tensile strength: <b>DIN 53504</b>	2.4 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN 53504</b>	1.0 N/mm <sup>2</sup>
Modulus of elasticity 100 %: <b>DIN EN ISO 8339</b>	0.8 N/mm <sup>2</sup>
Elongation at break: <b>DIN 53504</b>	300 %
Elastic recovery: <b>ISO 7389-B</b>	> 75 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0 °C to +40 °C Substrate: 0 °C to +35 °C
Temperature resistance:	From -40 °C to +90 °C
Moisture resistance:	Waterproof
Overpainting:	Very good coatability according to DIN 52452-A1, can be painted over wet-in-wet
Shelf life:	12 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Hybrid Polymer Crystal 290 ml crystal clear	12 cartridges	0426600
blaugelb Hybrid Polymer Crystal 600 ml crystal clear	12 bags	9257165

blaugelb

## Adhesive and Sealant Multikraft Extreme

Bonds and seals powerfully, strain-equalising even in extreme conditions.



The blaugelb Adhesive and Sealant Multikraft Extreme is an **impressive performer** right from the start.

The blaugelb Adhesive and Sealant Multikraft Extreme is a quick-hardening, elastic 1-component sealant and adhesive based on a hybrid polymer with elevated initial adhesion (high tack). It is moisture-curing, neutral-crosslinking and almost odourless.

Thanks to its high initial adhesion, it can usually be applied without primer to almost all – even wet – substrates encountered in construction. Also suitable for natural stone.

### Product benefits:

- Very good adhesion right from the start
- Usually adheres without primer to many substrates, including wet ones
- For universal application for bonding and sealing
- Water-resistant and seawater-resistant
- Non-fading, weather and UV-resistant
- Easy to work
- Permanently elastic after curing, absorbs movements
- Strain-equalising
- Suitable for porous substrates such as natural stone, marble, granite
- Very good coatability according to DIN 52452-A1\*
- Can be painted over wet-in-wet
- Silicone, acid, isocyanate and solvent-free
- Non-corrosive
- Virtually odourless

\*Carry out suitable pretests.

Material base:	1C hybrid polymer
Colour:	White
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN EN 13501-1</b>	Class E
Curing speed: At 23 °C and 50 % RH	Approx. 2-3 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 10 minutes
Density: <b>DIN 53479</b>	1.67 g/ml
Shore A hardness: <b>DIN 53505</b>	40 ± 5
Max. permissible deformation: <b>DIN EN ISO 11600</b>	20 %
Change in volume: <b>DIN EN ISO 10563</b>	-3 to -4 vol. %
Tensile strength: <b>DIN 53504</b>	1.8 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN 53504</b>	0.9 N/mm <sup>2</sup>
Modulus of elasticity 100 %: <b>DIN EN ISO 8339</b>	0.75 N/mm <sup>2</sup>
Elongation at break: <b>DIN 53504</b>	750 %
Elastic recovery: <b>ISO 7389-B</b>	> 75 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0 °C to +40 °C Substrate: 0 °C to +35 °C
Temperature resistance:	From -40 °C to +90 °C
Moisture resistance:	Water-resistant, seawater-resistant
Overpainting:	Very good coatability according to DIN 52452-A1, can be painted over wet-in-wet
Shelf life:	12 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Adhesive and Sealant Multikraft Extreme 290 ml white	12 cartridges	0322091



The blaugelb Acrylic is an **ideal solution** in the sealing system for indoor joints with low movement.

blaugelb Acrylic sealant is a one-component, neutral crosslinking sealant on an acrylic dispersion basis for the expert sealing of low-movement joints. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. It exhibits good adhesion to porous, absorbent substrates.

blaugelb Acrylic can be painted over with most customary paints (note elongation). A skin forms after approx. 25 minutes.

### Product benefits:

- Exceptionally suited for sealing structural attachment and construction joints indoors
- Very good processability
- Virtually odourless
- Solvent-free
- Very good adhesion to most porous and even slightly moist conventional construction materials\*
- Moisture and temperature-resistant once cured
- Non-fading, water resistant once cured
- Can be painted over with suitable paints
- Building material class E (DIN EN 13501-1)

\*Carry out suitable pretests.

Material base:	1C acrylate dispersion
Colour:	White
Curing system:	Curing through evaporation of water
Building material class: <b>DIN EN 13501-1</b>	Building material class E
Curing speed: At +23 °C and 50 % RH	Approx. 0.2 to 0.3 mm / 24 h
Skin formation:	Approx. 25 minutes at +23 °C and 50 % RH
Density: <b>ISO 2811-1</b>	1.56 g/cm <sup>3</sup>
Shore A hardness: <b>ISO 868</b>	Approx. 40
Max. permissible total deformation:	12.5 %
Change in volume: <b>ISO 10563 EN 15651-1:2012</b>	Up to -30 vol. %
Elongation at break: <b>ISO 8339-A</b>	200 %
Elastic recovery:	n/a
Processing temperature:	Ambient: +5 °C to +40 °C Substrate: +5 °C to +40 °C
Temperature resistance:	From -20 °C to +80 °C
Resistance:	Non-fading, UV and water-resistant once cured
Shelf life:	18 months in unopened pack at +10 °C to +25 °C

Product name	PU	Item no.
blaugelb Acrylic white 300 ml	25 cartridges	0263268

blaugelb

## Acrylic Sealing Compound

For the professional inner sealing of structural attachment and construction joints with low movement.

The blaugelb Acrylic is an **ideal solution** in the sealing system for indoor joints with low movement.



blaugelb Acrylic Sealing Compound white 600 ml is a one-component, neutral crosslinking sealant on an acrylic dispersion basis for the expert sealing of low-movement joints. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. It exhibits good adhesion to porous, absorbent substrates as well as aluminium. blaugelb Acrylic Sealing Compound can be painted over after curing (note elongation). A skin forms after approx. 20 minutes.

### Applications:

blaugelb Acrylic Sealing Compound white 600 ml is particularly suitable for the permanent sealing of structural, construction and connecting joints with low movement (< 10 %) on standard construction substrates, even when porous. Joints between window and door frames, at window sills, roller shutter cases and skirting boards and cracks in masonry, concrete and plaster can be sealed with blaugelb Acrylic Sealing Compound white 600 ml. blaugelb Acrylic Sealing Compound white 600 ml is recommended for use indoors. It is not suitable as a glazing sealant or for joints permanently exposed to water.

### Product benefits:

- Exceptionally suited for sealing structural attachment and construction joints indoors
- Very good processability
- Solvent-free, silicone-free
- Colourfast and waterproof after curing
- Very good adhesion to most porous and even slightly moist conventional construction materials\*
- Moisture and temperature-resistant once cured
- Non-fading once cured
- Can be painted over with suitable paints after curing
- Building material class E (DIN EN 13501-1)
- Tested to be low in pollutants according to EMICODE EC1 Plus

\*Carry out suitable pretests.

Material base:	1C acrylic dispersion
Colour:	White
Curing system:	Curing through evaporation of water
Building material class: <b>DIN EN 13501-1</b>	Building material class E
Skin formation:	Approx. 20 minutes at +23 °C and 50 % RH
Density:	1.65 g/ml
Shore A hardness: <b>ISO 868</b>	Approx. 30 +/- 5
Max. permissible total deformation: <b>ISO 11600</b>	Approx. 10 %
Change in volume: <b>DIN 52451</b>	Approx. -15 %
Processing temperature:	Ambient: +5 °C to +30 °C Substrate: +5 °C to +30 °C
Temperature resistance:	From -20 °C to +80 °C
Resistance:	Colourfast and moisture-resistant once cured
Shelf life:	18 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Acrylic Sealing Compound white 600 ml	12 bags	0241600



The blaugelb silicone with the **universal area of application** and the added advantage of rapid further processing.

blaugelb Silicone Alkoxy UniPLUS is a one-component, neutral crosslinking sealant based on alkoxy for the professional sealing of structural attachment, construction and expansion joints. The name describes its outstanding properties: It is universally suitable for a broad range of applications and has the additional advantage of faster curing.

### Product benefits:

- Exceptionally suited for sealing of external structural attachment, construction and expansion joints
- Very good processability
- Max. total deformation 25 %
- Non-corrosive
- Virtually odourless
- Solvent-free
- Very good adhesion to most conventional construction materials\*
- Moisture and temperature-resistant
- Non-fading; weather, UV and water-resistant once cured
- Coatable with suitable paints\*
- Building material class E (DIN EN 13501-1)

\*Carry out suitable pretests.

Material base:	1C polysiloxane / alkoxy
Colour:	White, concrete grey, colourless
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN EN 13501-1</b>	Building material class E
Curing speed: At 23 °C and 50 % RH	Approx. 2.5 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 15 to 20 minutes
Density: <b>ISO 2811-1</b>	1.01 g/ml colourless and white
Shore A hardness: <b>ISO 868</b>	Approx. 17
Max. permissible total deformation:	25 %
Change in volume: <b>ISO 10563</b>	Up to -8 vol.%
Elongation at break: <b>ISO 8339-A</b>	300 %
Elastic recovery: <b>ISO 7389-A</b>	Approx. 85 %
Processing temperature:	From +5 °C to +40 °C (substrate and ambient temperature)
Temperature resistance:	From -40 °C to +140 °C
Resistance:	Non-fading, UV and weather-resistant
Shelf life:	12 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Silicone Alkoxy UniPLUS white 300 ml	25 cartridges	0433182
blaugelb Silicone Alkoxy UniPLUS concrete grey 300 ml	25 cartridges	0263267
blaugelb Silicone Alkoxy UniPLUS colourless 300 ml	25 cartridges	0433183



blaugelb

## Silicone Oxym

For expert sealing of structural attachment, construction and expansion joints.

As a key part of the sealing system, **blaugelb Silicone Oxym** is especially suitable for the outer level of the joint.



The blaugelb Silicone Oxym is a one-component sealant based on oxym that cures neutrally. Designed for outdoor use, the blaugelb Silicone Oxym is non-fading and also weather and UV-resistant. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. It exhibits no embrittlement, chalking or hairline cracks and is non-corrosive.

### Product benefits:

- Exceptionally suited for sealing of structural attachment, construction and expansion joints
- No chalking, embrittlement or hairline cracks
- Very good processability
- Very good adhesion to most conventional construction materials\*
- Moisture and temperature-resistant
- Non-fading, weather and UV-resistant once cured
- Permanently elastic, compensates for unevenness and material movements
- Non-corrosive
- Coatability according to DIN 52452-A1
- Building material class E (DIN EN 13501-1)

\*Carry out suitable pretests.

Colour:	RAL 9010 white, colourless
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN EN 13501-1</b>	Class E
Curing speed: At 23 °C and 50 % RH	Approx. 2 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 7 minutes
Density: <b>DIN 53479</b>	1.03 g/ml (colourless) 1.25 g/ml (white)
Shore A hardness: <b>DIN 53505</b>	22 ± 5
Max. permissible deformation: <b>DIN EN ISO 11600</b>	25 %
Change in volume: <b>EN 15651-1:2012</b>	Up to -10 vol. %
Elongation at break: <b>DIN 53504</b>	600 %
Elastic recovery: <b>ISO 7389-B</b>	> 90 %
Processing temperature:	Ambient: +5 °C to +35 °C Substrate: +5 °C to +35 °C
Temperature resistance:	From -60 °C to +150 °C
Resistance:	Non-fading, UV and weather-resistant
Shelf life:	12 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Silicone Oxym RAL 9010 white 310 ml	12 cartridges	0426591
blaugelb Silicone Oxym colourless 310 ml	12 cartridges	0426592
blaugelb Silicone Oxym RAL 9010 white 600 ml	12 bags	0426593
blaugelb Silicone Oxym colourless 600 ml	12 bags	0426594



As a key part of the sealing system, **blaugelb Silicone Alkoxy** is especially suitable for the outer level of the joint.



The blaugelb Silicone Alkoxy is a one-component sealant based on alkoxy that cures neutrally. Designed for outdoor use, the blaugelb Silicone Alkoxy is non-fading and also weather and UV-resistant. Thanks to its good initial adhesion, it can usually be applied without primer to almost all substrates encountered in construction. Skin formation has been formulated to take place with a slight delay, for convenient processing.

### Product benefits:

- Exceptionally suited for sealing of structural attachment, construction and expansion joints
- Convenient processing thanks to delayed skin formation
- Very good processability
- Very good adhesion to almost all conventional construction materials\*
- Moisture and temperature-resistant
- Non-fading, weather and UV-resistant once cured
- Permanently elastic, compensates for unevenness and material movements
- Non-corrosive
- Virtually odourless
- Very good coatability according to DIN 52452-A1
- Building material class E (DIN EN 13501-1)
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\*Carry out suitable pretests.

Colour:	RAL 9016 white, colourless
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN EN 13501-1</b>	Class E
Curing speed: At 20 °C and 65 % RH	Approx. 1.5 – 2 mm / 24 h
Skin formation: At 20 °C and 65 % RH	Approx. 15 – 20 minutes
Density: <b>DIN EN ISO 10563</b>	1.03 g/ml
Shore A hardness: <b>DIN 53505</b>	20 ± 5
Max. permissible deformation:	25 %
Change in volume: <b>DIN EN 15651-1:2012</b>	Up to –10 vol. %
Elongation at break: <b>DIN 53504</b>	600 %
Elastic recovery: <b>ISO 7389-B</b>	> 80 %
Processing temperature:	Ambient: +5 °C to +35 °C Substrate: +5 °C to +35 °C
Temperature resistance:	From –40 °C to +150 °C
Resistance:	Non-fading, UV and weather-resistant
Ecological report:	EMICODE EC1 Plus
Shelf life:	12 months in unopened pack at +5 °C to +25 °C

Product name	PU	Item no.
blaugelb Silicone Alkoxy RAL 9016 white 310 ml	12 cartridges	0426583
blaugelb Silicone Alkoxy colourless 310 ml	12 cartridges	0426586
blaugelb Silicone Alkoxy RAL 9016 white 600 ml	12 bags	0426587
blaugelb Silicone Alkoxy colourless 600 ml	12 bags	0426589

blaugelb

**RC Adhesive**

Bonded-on security, signed and sealed.

The blaugelb RC Adhesive for **effective anti-intruder protection** on windows.



The blaugelb RC Adhesive 600 ml black is a one-component, permanently elastic adhesive and sealant for bonding insulated glass in RC 2 and RC 3 windows.

Applications: Structural bonding of insulated glass for burglary resistance to DIN EN 1627, direct glazing for windows and doors made from PVC, wood and aluminium, for fixing and sealing in the metal and construction industry, for door frames, window sills, plates, panels, strips, wood constructions and many other materials. Very good coatability according to DIN 52452-A1\*, can be painted over wet-in-wet.

**Product benefits:**

- Tested for bonding of insulated glass windows to RC 2 and RC 3
- Generally suitable for RC 2 tested and approved construction elements
- Tested compatibility with edge seal systems
- Moisture and temperature-resistant
- Weather and UV-resistant, non-fading
- Permanently elastic, compensates for unevenness and material movements
- Silicone, isocyanate, solvent, halogen and acid-free
- Non-corrosive, almost odourless
- For universal application for bonding and sealing
- Building material class B2 (DIN 4102)
- Tested to ISO 11600-F+G-25LM
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- Manufactured under an ISO 9001:2008-compliant quality system

\*Carry out suitable pretests.

Material base:	1C hybrid polymer
Colour:	Black
Curing system:	Polymerisation by atmospheric humidity
Building material class: <b>DIN 4102-4</b>	B2
Curing speed: At 23 °C and 50 % RH	Approx. 3 mm / 24 h
Skin formation: At 23 °C and 50 % RH	Approx. 6 minutes
Density: <b>DIN 53479</b>	1.50 g/ml
Shore A hardness: <b>DIN 53505</b>	55 +/- 5
Max. permissible deformation:	20 %
Change in volume: <b>DIN EN ISO 10563</b>	Approx. -4 vol. %
Tensile stress value at 100 % elongation: <b>DIN EN ISO 8339</b>	2.3 N/mm <sup>2</sup>
Tensile strength: <b>DIN 53504</b>	3.6 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN 53504</b>	1.5 N/mm <sup>2</sup>
Modulus of elasticity 100 %: <b>DIN EN ISO 8339</b>	2.4 N/mm <sup>2</sup>
Elongation at break: <b>DIN 53504</b>	400 %
Elastic recovery: <b>ISO 7389-B</b>	> 75 %
Solvent content:	Free
Isocyanate content:	Free
Processing temperature:	Ambient: 0 °C to +40 °C Substrate: 0 °C to +35 °C
Temperature resistance:	From -40 °C to +90 °C
Moisture resistance:	Waterproof
Ecological report:	EMICODE EC1 Plus
Overpainting:	Very good coatability according to DIN 52452-A1, can be painted over wet-in-wet

Product name	PU	Item no.
blaugelb RC Adhesive 600 ml black	20 bags	9016418

blaugelb

## Manual Pressure Gun Tubular Bag

The powerhouse for convenient processing, even of viscous sealing compounds.

The blaugelb Manual Pressure Gun Tubular Bag is the ideal dispensing device for sealants and adhesives in a tubular bag and in a cartridge. It is built to be sturdy and durable for everyday use and equipped with all features for convenient work.

The versatile area of application of the blaugelb Manual Pressure Gun Tubular Bag comprises not only tubular bags up to 600 ml, but also 290 ml, 300 ml and 310 ml cartridges.

### Product benefits:

- High-quality manual pressure gun for 1C cartridges and tubular bags
- Ratio 17:1
- With powerful plunger, exceptionally suited for viscous compounds
- Rotating aluminium tube



Dimensions:	54 x 22 x 7.5 cm (L x W x H)
Application:	Tubular bag up to 600 ml 290 ml, 300 ml and 310 ml cartridges
Weight:	1,030 g
Ratio:	17:1 for the best possible power transmission per stroke length

Product name	PU	Item no.
blaugelb Manual Pressure Gun Tubular Bag	1 piece	0400569

blaugelb

## Manual Pressure Gun Cartridge

Handy and strong for convenient processing, even of viscous sealing compounds.

The blaugelb Manual Pressure Gun Cartridge is the ideal dispensing device for sealants and adhesives in a cartridge. It is built to be sturdy and durable for everyday use and equipped with all features for convenient work.

The area of application for the blaugelb Manual Pressure Gun Cartridge comprises 290 ml, 300 ml and 310 ml cartridges.

### Product benefits:

- High-quality manual pressure gun for 1C cartridges
- Ratio 17:1
- With powerful plunger, exceptionally suited for viscous compounds



Dimensions:	40 x 21 x 6.5 cm (L x W x H)
Application:	290 ml, 300 ml and 310 ml cartridges
Weight:	780 g
Ratio:	17:1 for the best possible power transmission per stroke length

Product name	PU	Item no.
blaugelb Manual Pressure Gun Cartridge	1 piece	0400568

blaugelb

## FLK Sealing System

Our solution for sealing construction elements for the waterproofing of buildings.



The blaugelb FLK Sealing System was developed specifically for the cross-discipline sealing of the lower connection of floor-level construction elements to wall components.

The substances used here must be compatible with the existing waterproofing layer and the penetration of water and the ingress behind the waterproofing layers must be prevented.

With proper application of the blaugelb FLK Sealing System, the builder or processor is ensured the safety of a tested solution that is certifiable by the building inspectorate and is an integrated system. The function of the system and its conformity with the requirements under the building code for materials and execution were tested and confirmed by the Braunschweig Civil Engineering Materials Testing Institute.

### The blaugelb FLK Sealing System is compatible with:

- the blaugelb Trio**therm**<sup>+</sup> System
- blaugelb All-In-One Connection System
- blaugelb Threshold System
- blaugelb sealing products for the connecting joint

### Waterproofing of buildings

for vertical and horizontal surfaces

according to the specifications, DIN 18531, 18533, is performed before the window or door installation

### Assembly of window/door element

is performed in the usual manner and sealed

### blaugelb FLK Sealing System

is applied immediately following this



**FLK**  
Abdichtungs  
System

### Prepared for the subsequent work

Façade insulation and plastering can follow this directly





The blaugelb FLK Sealing System – specifically for **sealing elements near the ground**.



The blaugelb FLK Liquid is a one-component liquid plastic based on polyurethane for sealing floor-level elements in areas in contact with the ground, balconies and loggias in accordance with DIN 18531 and DIN 18533. The waterproof sealing compound is used for application on the existing, expertly processed waterproofing in the base area of the façade.

The blaugelb FLK Liquid is part of the product range from the blaugelb FLK Sealing System and intended for use on surfaces.

### Product benefits:

- 1C product, ready for use
- Bridges the gap between waterproofing of buildings and assembly of the elements
- Very good processability
- Solvent and isocyanate free
- Odourless, waterproof and highly elastic
- UV-resistant
- To be used especially with the products of the blaugelb FLK Sealing System
- For sealing across surfaces, even vertically
- Moisture and temperature-resistant
- Compatible with all blaugelb sealing products
- Compatible with all blaugelb product systems
- Suitable for standard construction surfaces\*
- Building material class E (DIN EN 13501-1)
- Tested by MPA
- Manufactured under an ISO 9001:2015-compliant quality system
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus

\* See "Substrate preparation" list, carry out suitable pretests

Processing temperature: (substrate and surroundings)	+5 °C to +40 °C <sup>1</sup>
Relative humidity for processing:	Min. 30 %
Stirring time:	Min. 2 minutes
Rainproof after:	Approx. 60 min <sup>2</sup>
Can be coated over after:	Approx. 8 h <sup>2</sup>
Cured after:	Approx. 2 days <sup>2</sup>
Colour:	Traffic grey

### System components:

Foil Outside **SL<sup>1050</sup>** Power One:

Carrier material for bridging the joint between frame and anchor base

Item no.:

9123143, width 75 mm

9123204, width 90 mm

See page 29



Product name	PU	Item no.
blaugelb FLK Liquid 7 kg	7 kg bucket	9143708
blaugelb FLK Liquid 14 kg	14 kg bucket	9143707
blaugelb FLK Toolbox	1 pc.	9143752

### blaugelb FLK Bucket 2.5 L, item no.: 9143751

The handy helper for processing the blaugelb FLK Sealing System.

The blaugelb FLK Bucket is used to portion the liquid plastics blaugelb FLK Liquid and blaugelb FLK Liquid Corner during processing.

blaugelb

**FLK Liquid Corner**

For sealing elements to the base in hard-to-reach places.



The blaugelb FLK Liquid Corner is a one-component liquid plastic based on polyurethane for localised sealing of floor-level elements in areas in contact with the ground, balconies and loggias in accordance with DIN 18531 and DIN 18533.

It is mixed with fibreglass fibres and thus has a firmer structure and increased stability, for example in hard-to-reach corners and grooves where the use of the seal with fleece reinforcement as the substrate is not possible.

The blaugelb FLK Liquid Corner is part of the blaugelb FLK Sealing System and is only intended for localised use, not for large-area sealing according to ETA.

**Product benefits:**

- Fibre reinforcement already included
- Stable, for localised use in hard-to-reach places
- 1C product, ready for use
- Solvent and isocyanate free
- Odourless, waterproof and highly elastic
- UV-resistant
- To be used especially with the products of the blaugelb FLK Sealing System
- Very good processability
- Stable, for localised use in hard-to-reach places
- Moisture and temperature-resistant
- Suitable for standard construction surfaces\*
- Building material class E (DIN EN 13501-1)
- Manufactured under an ISO 9001:2015-compliant quality system

\*Carry out suitable pretests.

Processing temperature: (substrate and surroundings)	+5 °C to +40 °C <sup>1</sup>
Relative humidity for processing:	Min. 30 %
Stirring time:	Min. 2 minutes
Rainproof after:	Approx. 60 min <sup>2</sup>
Can be coated over after:	Approx. 8 h <sup>2</sup>
Cured after:	Approx. 2 days <sup>2</sup>
Colour:	Traffic grey

<sup>1</sup>Substrate temperature must be at least 3 °C higher than the dew point

<sup>2</sup>At 23 °C, 50 % RH

Product name	PU	Item no.
blaugelb FLK Liquid Corner 3.5 kg	3.5 kg bucket	9143750

blaugelb

## FLK Primer PVC Hard

The connection of the blaugelb FLK Sealing System to rigid PVC elements.



The blaugelb FLK Primer PVC Hard is based on an acrylate dispersion and serves as an adhesive agent for substrates made of rigid PVC (e.g. plastic window frames) with the blaugelb FLK Sealing System. Only for use in combination with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.

The blaugelb FLK Primer PVC Hard can be quickly and easily applied. Safe adhesion to elements made of rigid PVC such as window frame profiles can thus be established.

### Product benefits:

- 1C product, ready for use
- Fast curing
- Adhesive agent specifically for blaugelb FLK Liquid and blaugelb FLK Liquid Corner
- Very efficient
- Easily dosed

Processing temperature: (substrate and surroundings)	+10 °C to +30 °C
Substrates:	Rigid PVC, also for PVC laminated film (e.g. Renolit, Hornschuch)
Material consumption:	Approx. 0.20 kg/m <sup>2</sup> on a flat, smooth surface
Can be coated over after:	Approx. 40 minutes at 20 °C
Colour:	Grey

Product name	PU	Item no.
blaugelb FLK Primer PVC Hard	0.6 kg plastic can	9143745

blaugelb

## FLK Primer Spezial

The adhesive agent for special substrates in the blaugelb FLK Sealing System.



The blaugelb FLK Primer Spezial is an adhesive agent for difficult substrates such as various plastics (FPO, TPO, EVA) and rubber (EPDM) with the blaugelb FLK Sealing System. Only for use in combination with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.

### Product benefits:

- 1C product, ready for use, very good processability
- Adhesive agent specifically for blaugelb FLK Liquid and blaugelb FLK Liquid Corner on problematic substrates
- Small amount required, very efficient
- Part of the blaugelb FLK Sealing System
- Suitable for various plastic and rubber surfaces\*

Processing temperature: (substrate and surroundings)	+5 °C to +35 °C
Substrates:	EPDM, FPO, TPO, EVA Note: Not suitable for bitumen
Material consumption:	Approx. 40– 80 ml/m <sup>2</sup>
Can be coated over after:	Approx. 20 minutes at 20 °C
Rainproof after:	Approx. 20 minutes at 20 °C
Colour:	Yellowish

Product name	PU	Item no.
blaugelb FLK Primer Spezial for EPDM FPO TPO EVA	0.5 l metal bottle	9143713

blaugelb

## FLK Primer Liquid

The repair primer for blaugelb FLK Liquid and blaugelb FLK Liquid Corner.



The blaugelb FLK Primer Liquid is used as primer and repair primer for the repair, attachment and activation with **subsequent direct application** of the blaugelb FLK Liquid on the same material without sanding. **Only for use in combination with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.**

### Product benefits:

- 1C product, ready for use, very good processability
- Adhesive agent specifically for repair of the surface layer of blaugelb FLK Liquid and blaugelb FLK Liquid Corner
- Universal adhesion optimisation
- Small amount required, very efficient
- Rapid drying
- Easily dosed
- Specially tailored to blaugelb FLK Liquid and blaugelb FLK Liquid Corner

Processing temperature: (substrate and surroundings)	+5 °C to +30 °C
Substrates:	blaugelb FLK Liquid, blaugelb FLK Liquid Corner
Material consumption:	Approx. 0.10 kg/m <sup>2</sup> on a flat, smooth surface
Can be coated over after:	Approx. 25 minutes at 20 °C
Colour:	Orange-brown

Product name	PU	Item no.
blaugelb FLK Primer Liquid	0.5 l bottle	9143744

blaugelb

## FLK Primer Bitumen

The adhesive agent for bituminous substrates in the blaugelb FLK Sealing System.



blaugelb FLK Primer Bitumen is used as a primer for establishing a high level of adhesion for blaugelb FLK Liquid and blaugelb FLK Liquid Corner on unsanded bitumen materials. The one-component primer based on an acrylate dispersion is solvent-free and odourless.

### Product benefits:

- 1C product; no mixing required; easy to work
- Adhesive agent specifically for the connection of blaugelb FLK Liquid and blaugelb FLK Liquid Corner to bituminous substrates
- Solvent-free, neutral scent
- Small amount required, very efficient
- Easily dosed
- Specially tailored to blaugelb FLK Liquid and blaugelb FLK Liquid Corner

Processing temperature: Ambient: Substrate:	+10 °C to +30 °C +10 °C to +40 °C
Substrates:	Bitumen sheets, bitumen coats
Material consumption:	Min. 0.4 kg/m <sup>2</sup> on a flat, smooth surface
Can be coated over after:	Approx. 3 hours at +20 °C
Colour:	Milky white

Product name	PU	Item no.
blaugelb FLK Primer Bitumen	10 kg bucket	9208134

blaugelb

## FLK Primer PVC Sheet

The connection of the blaugelb FLK Sealing System to PVC sheets.



The blaugelb FLK Primer PVC Sheet is used as a primer on sealing sheets and foils made of PVC material. Only for use in combination with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.

The blaugelb FLK Primer PVC Sheet is based on polyurethane. Can be quickly and easily applied thanks to its liquid form. Safe adhesion to elements such as sealing sheets made of soft PVC can thus be established.

### Product benefits:

- 1C product, ready for use
- Very good processability
- Liquid, easily dosed
- Adhesive agent specifically for blaugelb FLK Liquid and blaugelb FLK Liquid Corner

Processing temperature: (substrate and surroundings)	+10 °C to +35 °C
Substrates:	Sheets and foils made of soft PVC
Material consumption:	Approx. 100 ml/m <sup>2</sup> on a flat, smooth surface
Can be coated over after:	Approx. 20 minutes to 12 hours at 20 °C
Colour:	Brownish

Product name	PU	Item no.
blaugelb FLK Primer PVC Sheet	0.4 litre	9143746

blaugelb

## FLK Quartz Sand

The safe adhesive primer in the blaugelb FLK Sealing System for subsequent work.



The blaugelb FLK Quartz Sand is a high-quality spreading material for sanding surfaces that are sealed with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.

The blaugelb FLK Quartz Sand is used so that subsequent work can be attached to the created seal without any trouble. These encounter an ideal adhesive primer for additional coatings. The coatings can "sink their claws" into the rough surface structure of the blaugelb FLK Quartz Sand and thus establish good adhesion and impermeability.

### Product benefits:

- Ready for use, very simple processability
- Application possible by hand or with a suitable gun
- Selected grain size
- High quality

Material:	Quartz sand
Grain size:	0.71 – 1.25 mm
Colour:	Beige

Product name	PU	Item no.
blaugelb FLK Quartz Sand 25 kg	25 kg bag	9143749





The blaugelb FLK Non-Woven made of polyester fibres is used as an aid for building up the coating thicknesses of the liquid plastic with the blaugelb FLK Sealing System if it is used in surface sealing in accordance with ETA, DIN 18531, DIN 18533 and the flat roof guideline. Only for use in combination with blaugelb FLK Liquid and blaugelb FLK Liquid Corner.

The widths of the non-woven rolls are measured to be easy to process so that they can be quickly and easily used. The pre-formed corners allow even angled areas to be easily covered. The soft non-woven can be easily written on for noting important dimensions and markings.

### Product benefits:

- Ready-to-use
- Easily cut to size
- Grammage 110 g/m<sup>2</sup> according to DIN 18531-2:2017-07
- Universal use
- High-yield roll size in the appropriate widths, ideal for larger areas
- User-friendly pre-formed corner pieces for inner and outer corners
- High tear resistance
- Stabilises and ensures the coating thickness build-up
- Specially tailored to the other products from the FLK Sealing System
- Suitable for standard construction surfaces\*

\* See "Substrate preparation" list, carry out suitable pretests

Processing temperature: (substrate and surroundings)	+5 °C to +40 °C
Substrates:	Construction substrates, blaugelb FLK Liquid and blaugelb FLK Liquid Corner
Grammage:	110 g/m <sup>2</sup>
Colour:	White

Product name	PU	Item no.
blaugelb FLK Non-Woven 26	50 m roll	9143709
blaugelb FLK Non-Woven 35	50 m roll	9143710
blaugelb FLK Non-Woven 52	50 m roll	9143711
blaugelb FLK Inner Non-Woven Corner 15x8x15 cm	20 pieces	9143747
blaugelb FLK Outer Non-Woven Corner 16x8x16 cm	20 pieces	9143748



The basic kit for a smooth start  
Start with the **blaugelb FLK system**.

The blaugelb FLK Sealing System is a comprehensive product system for cross-discipline sealing by means of application on the existing waterproofing at the base area of the façade in accordance with DIN 18531 and DIN 18533.

The blaugelb FLK Toolbox contains all the necessary tools and aids for easy processing. This enables a fast and safe start. Individual special articles from the blaugelb FLK Toolbox are replaceable within the blaugelb product range and the other articles are available from the general workshop range from Meesenburg. The required consumables can thus be added again repeatedly.

#### Product benefits:

- Completely equipped for the start
- Special aids and tools immediately at hand
- In a compact form – always with you at the construction site
- Individual consumables can be replaced
- Part of the blaugelb FLK Sealing System

#### The set comprises:

- Trowel, 280 x 130 mm stainless steel, 1 pc.
- Rubber gloves, EN ISO 374-5, 2 pairs
- blaugelb FLK Brush, 60 mm wide, 5 pcs.  
item no. 9210500
- blaugelb FLK Roller, 10 cm wide, 10 pcs.  
item no. 9210501
- blaugelb FLK Roller Handle, 10 cm wide, short handle length, 2 pcs.  
item no. 9143755
- blaugelb FLK Masking Tape 25 mm, 25 mm x 50 m, 2 rolls  
item no. 9143756
- blaugelb FLK Masking Tape 50 mm, 50 mm x 50 m, 2 rolls  
item no. 9143757
- Stone adhesive tape, 50 mm wide, 1 roll
- blaugelb FLK Wood Stirrer, 450 x 35 mm, 5 pcs.  
item no. 9210502
- blaugelb FLK Right Scissors, for right-handed users, 1 pc.  
item no. 9143759
- Grinding disc, 125 mm, C24P, 2 pcs.
- Rubber pad, 125 mm, 1 pc.
- Sandpaper, grain 60, 280 x 115 mm, 2 pcs.
- Sanding cork, 120 x 60 x 35, 1 pc.
- Cleaning cloths, non-woven cloths 380 x 400 mm, 3 pcs.
- Carpenter's pencil, 1 pc.
- Folding rule, 1 pc.
- blaugelb FLK Disposable Bucket 2.5 L, white, 5 pcs.  
item no. 9143751

Product name	PU	Item no.
blaugelb FLK Toolbox	1 pc.	9143752

blaugelb

**1C PUR Adhesive EPS XPS Wood**

Ready to use and with especially good adhesion.



blaugelb 1C PUR Adhesive EPS XPS Wood is a construction adhesive based on polyurethane for bonding blaugelb products made of EPS material, for surface bonding of insulation panels made of XPS, for the production of sandwich elements, in wood processing and in various additional industrial areas.

It is suitable for various adhesions of blaugelb products made of EPS: For example, the surfaces of the blaugelb Insulation Panels EPS and MultiPro can be bonded together, or even the tongue and groove connection of the blaugelb Insulation Panel MultiPro or the dovetail connection on the blaugelb Plinth Thermal Insulation Profile EPS.

Insulation panels made of XPS can also be bonded together. blaugelb 1C PUR Adhesive EPS XPS Wood is also highly suitable for use in the production of sandwich elements, of blaugelb frame extensions and other core combination elements made of EPS, XPS, PUR and PVC materials.

It is also suitable for adhesion of wood with stainless steel, e.g. as common with kick plates on wooden exterior doors. Also for bonding wooden parts (glued laminated timber, solid structural timber) in window construction, in the construction and cabinetmaker trade, in furniture construction, wooden stair construction, for carports and many other applications.

**Product benefits:**

- Construction adhesive with viscoplastic adhesive joint
- Ideal for bonding blaugelb EPS products
- Good penetration in EPS material, resulting in good adhesion
- Varied adhesion spectrum on various materials\*
- High weather resistance
- Solvent-free

\*Carry out suitable pretests.

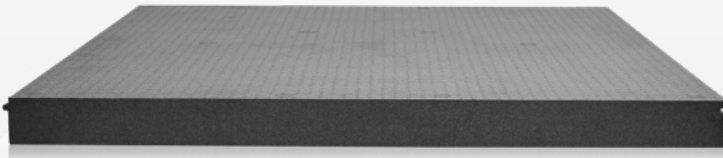
**Substrates:** EPS, XPS, wood (untreated), aluminium (painted, not anodised), rigid PVC, GRP (sanded), HPL, stainless steel (degreased).

Material base:	Polyurethane, 1-component
Colour when cured:	Yellow
Curing system:	Moisture crosslinking
Skin forming time, wet at +20 °C: Sprayed with water, applied quantity 500 µm – PE/PVC	Approx. 8 minutes
Density at +20 °C: <b>EN 542</b>	Approx. 1.12 g/cm <sup>3</sup>
Viscosity: Acc. to cone-plate (300 s-1) at +20 °C	Approx. 10,500 mPa·s
Film:	Viscoplastic adhesive joint after curing
Pressing time at +20 °C:	Approx. 40 minutes
Pressing time at +40 °C:	Approx. 20 minutes
Curing time at +20 °C, 50 % RH: To approx. 75 %	Approx. 24 hours
Curing time at +20 °C, 50 % RH: Until the final strength is reached	Approx. 7 days
Applied quantity: Depending on the carrier material	Approx. 100 – 350 g/m <sup>2</sup>
Tensile shear strength: <b>DIN EN 1465</b> , beech at +20 °C	Approx. 8.5 N/mm <sup>2</sup>
Tensile shear strength: <b>DIN EN 1465</b> , beech at +80 °C	Approx. 5.5 N/mm <sup>2</sup>
Processing temperature: Adhesive and substrate	+5 °C to +30 °C
Temperature resistance: Cured adhesive joint	-40 °C to +110 °C
Moisture resistance:	Watt 91 and D4
Shelf life:	12 months in unopened pack at +15 °C to +25 °C; store sealed tight in the original container in dry surroundings, not exposed to direct sunlight. The viscosity increases with decreasing reactivity over time during storage
Delivery form:	1 litre bottle
Hazard class acc. to VbF (German regulation concerning inflammable liquids):	None

Product name	PU	Item no.
blaugelb 1C PUR Adhesive EPS XPS Wood 1 litre	10 pcs.	9208778



High-quality insulation panels MultiPro EPS for **uncompromisingly high-grade, long-term insulation.**



The blaugelb Insulation Panel MultiPro EPS is made from a highly compacted EPS (expanded polystyrene) and offers the best possible heat and moisture protection in the vicinity of windows and façades. A major area of application of the blaugelb Insulation Panel MultiPro EPS is meeting the high requirements placed on passive houses, low-energy houses/thermal rehabilitation.

### Product benefits:

- 100 % recyclable, dimensionally stable, easy to process
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- Can be cut to size precisely with little dust
- Low weight, high pressure resistance and high screw withdrawal values
- High inherent stability and flexural strength
- Does not produce fine dust harmful to the lungs when being processed (e.g. compared with mineral wool)
- This product is Cradle to Cradle Certified® at the Silver level

Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +85 °C
Dimensional stability: <b>DIN EN 13163:2015-04</b>	Very high, including outdoor weathering
Water absorption after 28 days under water: <b>DIN 12087</b>	≤ 0.5 vol. %
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x 42 mm sfs window sill screw 4.5 x 35 mm	$F_{FK,AZ}$ 1,200 N $F_{FK,AZ}$ 510 N

Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm <sup>2</sup>
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: <b>DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05</b>	B2 / Class E
Thermal conductivity nominal value $\lambda_{10}$ : <b>DIN EN 12667:2001-05</b>	0.0403 W/m <sup>2</sup> *k
Air permeability: <b>EN 12207</b>	Class 4
Water vapour diffusion resistance: <b>DIN EN ISO 12086</b>	228 $\mu$
Airborne sound insulation: <b>DIN EN ISO 717-1</b> (with an area of 0.8 m <sup>2</sup> )	30 mm: $R_w$ 28.0 dB ± 1.2 dB 40 mm: $R_w$ 28.5 dB ± 1.2 dB 60 mm: $R_w$ 31.9 dB ± 1.2 dB 80 mm: $R_w$ 33.9 dB ± 1.2 dB
Bending strength: <b>DIN EN 12089</b>	≥ 2,490 kPa
Compression stress (2 % compression): <b>DIN EN DIN EN 13163:2017 / EN 826:2013-05</b>	≥ 1,435 kPa
Shear strength: <b>DIN EN ISO 14130</b>	0.217 N/mm <sup>2</sup>

Product name	PU/pallet	Item no.
blaugelb Insulation Panel MultiPro EPS 30x1200x1200 mm	30 pieces	9207614
blaugelb Insulation Panel MultiPro EPS 35x1200x1200 mm	27 pieces	9207615
blaugelb Insulation Panel MultiPro EPS 40x1200x1200 mm	24 pieces	9207616
blaugelb Insulation Panel MultiPro EPS 45x1200x1200 mm	22 pieces	9207617
blaugelb Insulation Panel MultiPro EPS 50x1200x1200 mm	20 pieces	9207618
blaugelb Insulation Panel MultiPro EPS 55x1200x1200 mm	18 pieces	9207619
blaugelb Insulation Panel MultiPro EPS 60x1200x1200 mm	17 pieces	9207620
blaugelb Insulation Panel MultiPro EPS 65x1200x1200 mm	16 pieces	9207621
blaugelb Insulation Panel MultiPro EPS 70x1200x1200 mm	15 pieces	9207622
blaugelb Insulation Panel MultiPro EPS 75x1200x1200 mm	14 pieces	9207623
blaugelb Insulation Panel MultiPro EPS 80x1200x1200 mm	13 pieces	9207624
blaugelb Insulation Panel MultiPro EPS 85x1200x1200 mm	12 pieces	9207625
blaugelb Insulation Panel MultiPro EPS 90x1200x1200 mm	12 pieces	9207626
blaugelb Insulation Panel MultiPro EPS 95x1200x1200 mm	11 pieces	9229873
blaugelb Insulation Panel MultiPro EPS 100x1200x1200 mm	11 pieces	9207627
blaugelb Insulation Panel MultiPro EPS 105x1200x1200 mm	10 pieces	9207628
blaugelb Insulation Panel MultiPro EPS 110x1200x1200 mm	10 pieces	9207629
blaugelb Insulation Panel MultiPro EPS 115x1200x1200 mm	9 pieces	9229884
blaugelb Insulation Panel MultiPro EPS 120x1200x1200 mm	9 pieces	9207630
blaugelb Insulation Panel MultiPro EPS 125x1200x1200 mm	8 pieces	9207631

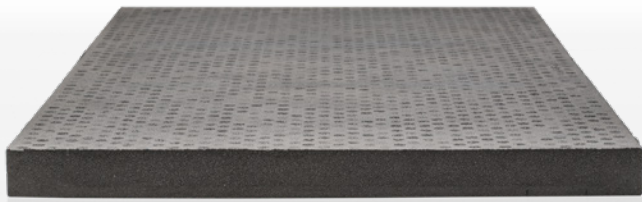
blaugelb

## Insulation Panel EPS

For long-lasting insulation.



High-quality Insulation Panels EPS for **uncompromisingly high-grade, long-term insulation.**



The blaugelb Insulation Panel EPS is made from a highly compacted EPS (expanded polystyrene) and offers the best possible heat and moisture protection in the vicinity of windows and façades. A major area of application of the blaugelb Insulation Panel EPS is meeting the high requirements placed on passive houses, low-energy houses and heating system renovation. The blaugelb Insulation Panels allow consistent and homogeneous insulation to be achieved, ensuring that no valuable heating energy is lost. This external insulation keeps the heat inside the room. Insulating the outside ensures that heat is retained in the masonry, exploiting the storage capacity of the blaugelb Insulation Panel EPS material.

### Product benefits:

- 100 % recyclable
- 100 % HCFC, HFC and HBCD-free
- High-density (expanded) polystyrene
- High ductility
- Enables sustainable construction thanks to reversibility of window sealing and fastening when renovating
- blaugelb Insulation Panels are easy to machine/saw with a jigsaw or mitre saw (coarse longitudinal-cut blade)
- Can be cut to size precisely with little dust
- Low weight, high pressure resistance and high screw withdrawal values
- High inherent stability and flexural strength
- Does not produce fine dust harmful to the lungs when being processed (e.g. compared with mineral wool)
- Dimensionally stable
- Easy to process
- Insensitive to moisture
- Tested to be extremely low in emissions according to EMICODE EC 1 Plus
- This product is Cradle to Cradle Certified® at the Silver level

Material:	High-density EPS (expanded polystyrene), high ductility
Colour:	Grey
Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm <sup>2</sup>
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: <b>DIN 4102-1:1998-05 / DIN EN 13501-1:2019-05</b>	B2 / Class E
Thermal conductivity nominal value $\lambda_{10}$ : <b>DIN EN 12667:2001-05</b>	0.0403 W/m·K
Air permeability: <b>EN 12207</b>	Class 4
Water vapour diffusion resistance: <b>DIN EN ISO 12086</b>	228 $\mu$
Airborne sound insulation: <b>DIN EN ISO 717-1</b> (with an area of 0.8 m <sup>2</sup> )	30 mm: $R_w$ 28.0 dB $\pm$ 1.2 dB 40 mm: $R_w$ 28.5 dB $\pm$ 1.2 dB
Bending strength: <b>DIN EN 12089</b>	$\geq$ 2,190 kPa
Compression stress (2 % compression): <b>DIN EN DIN EN 13163:2017 / EN 826:2013-05</b>	$\geq$ 1,435 kPa
Shear strength: <b>DIN EN ISO 14130</b>	0.217 N/mm <sup>2</sup>
Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +85 °C
Dimensional stability: <b>DIN EN 13163:2015-04</b>	Very high, including outdoor weathering
Water absorption after 28 days under water: <b>DIN 12087</b>	$\leq$ 0.5 vol. %
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x 42 mm sfs window sill screw 4.5 x 35 mm	$F_{FK, AZ}$ 1,200 N $F_{FK, AZ}$ 510 N
Ageing resistance:	Mould-proof, does not rot

Product name	PU	Item no.
blaugelb Insulation Panel EPS 20x600x1200 mm	44 pieces	9078028
blaugelb Insulation Panel EPS 30x600x1200 mm	30 pieces	9078029
blaugelb Insulation Panel EPS 35x600x1200 mm	27 pieces	9078030
blaugelb Insulation Panel EPS 40x600x1200 mm	24 pieces	9078031

## Cleaner PVC-S10 UVA

Very slightly dissolving cleaner with weather protection for white rigid PVC surfaces.



A four-fold effect that does more than just clean.  
**Very slightly dissolving.**

The blaugelb Cleaner PVC-S10 UVA thoroughly cleans profile surfaces made from white rigid PVC. With the UVA system, the blaugelb Cleaner PVC-S10 UVA provides added weather protection for the treated surfaces. The blaugelb Cleaner PVC-S10 UVA is specifically suitable for profile elements made from white rigid PVC, such as window frames, drain gutters, weatherboarding, cover and flat strips. It is intended for use in the production and assembly area on windows and doors.

The blaugelb Cleaner PVC-S10 UVA slightly dissolves the profile surfaces and also has a four-fold effect: it thoroughly cleans and removes soiling in general, and specifically rubber marks, pencil marks, adhesive residue, fresh PU foam, bitumen and silicone sealant in a fresh state. With its cleaning effect, it is used to prepare surfaces for bonding. The blaugelb Cleaner PVC-S10 UVA has an antistatic effect and protects the plastic surfaces against rapid repeat soiling. Thanks to its special additives with the UVA system, surfaces are protected against weathering.

### Product benefits:

- Very slightly dissolving
- Cleans thoroughly
- Specially for white rigid PVC
- UVA system for high protection against weathering
- Reduces further soiling
- Has an antistatic effect

Basis:	Modified esters of monocarboxylic acid, free of aromatic compounds, with UVA additive
Colour:	Colourless, clear
Consistency:	Liquid
Density:	Approx. 0.90 g/cm <sup>3</sup>
Processing temperature:	Optimally at +5 °C to +25 °C
Hazard class:	A I acc. to VbF (German regulation concerning inflammable liquids)

Product name	PU	Item no.
blaugelb Cleaner PVC-S10 UVA	1,000 ml	0008430
blaugelb Cleaner PVC-S10 UVA	30 l	0008429



blaugelb

## Organic Multi-Clean

All-round power for the removal of stubborn dirt.



The blaugelb Organic Multi-Clean is a water-based alkaline universal cleaner for removing stubborn dirt.

### Product benefits:

- Contains readily biodegradable surfactants according to OECD criteria
- Cleans thoroughly and gently
- Highly concentrated
- Contains no phosphates
- Non-flammable
- Non-abrasive

Basis:	Water-based
Colour:	Red
pH value (at 100 g/l H <sub>2</sub> O):	Approx. 11.5
Processing temperature:	From +2 °C to +90 °C
Hazard class:	Water hazard class 1
Solubility in water:	In any ratio

Product name	PU	Item no.
blaugelb Organic Multi-Clean 1,000 ml	10 pieces	0130397
blaugelb Organic Multi-Clean 10 l	1 piece	0130399
blaugelb Organic Multi-Clean 30 l	1 piece	0130400
blaugelb Organic Multi-Clean 200 l	1 piece	9074101

blaugelb

## Cleaning Wipes

The professional cleaning wipe.



The professional cleaning wipe. Non-cured adhesives and sealants (e.g. silicone, acrylic, PU, hybrid polymer), fresh PU foam, paints and much more are cleaned up quickly and effectively.

### Product benefits:

- Removes stubborn dirt, grease and oil
- For hands, tools and many smooth surfaces
- Strong effect
- Very efficient
- With special skin care ingredients
- Pleasant, fresh aroma

Basis:	Non-woven wipes, waterproofed with a liquid mixture of solvents, biodegradable non-ionic surfactants and skin care ingredients
Consistency:	Non-woven with waterproofing
pH value:	5.3 – 7.5

Product name	PU	Item no.
blaugelb Cleaning Wipes	Box with 80 pieces	0241602



Our system comprises three products which, taken individually, already provide convincing results in every respect and offer even more as a tested ensemble:

- blaugelb Plinth Thermal Insulation Profiles PVC/TK or EPS
- blaugelb Frame Screw Fix FK-T30
- blaugelb Assembly Bracket

A professional, compliant fixing of full-length elements to the base, compatible with all of the different versions of frame materials such as window frame, threshold or lifting/sliding doors: this is one of the major strengths of the blaugelb All-In-One Connection System. It also stands out thanks to its easy and fast handling.

**Advantages of the blaugelb All-in-One Connection System at a glance:**

- Verification pursuant to ETB guideline 1985 and DIN 4103-1:2015
- One system for all relevant uses and installation situations
- Horizontal load value test in the complete ensemble
- Static rated resistances to suction/pressure
- Tested system for the static requirements for fastening pursuant to DIN 1990-1 (Eurocode)
- Suitable for fall-arresting fastening of the element and for RC 2 use

- Predestined for a variable floor structure
- Available for all conventional profile widths of the leading system providers

**ALL-IN-ONE**  
 Connection System



**SOG / DRUCK**



For more information, visit

[www.blaugelb.de](http://www.blaugelb.de)

## Accessories for processing blaugelb Plinth Thermal Insulation Profiles

### Horizontal load value test, suction/pressure

Our **blaugelb Frame Screw Fix FK-T30** is part of the testing according to the ETB guideline: 1985 and DIN 4103-1: 2015 in ensemble. It is also tested for the assembly of RC 2 approved construction elements.

Together with the **blaugelb Assembly Bracket** and the **blaugelb Plinth Thermal Insulation Profiles IHP/EPS, PVC/EPS or EPS**, they form a strong and proven team that you can build on.

Our strong team in ensemble –  
for reliable results.

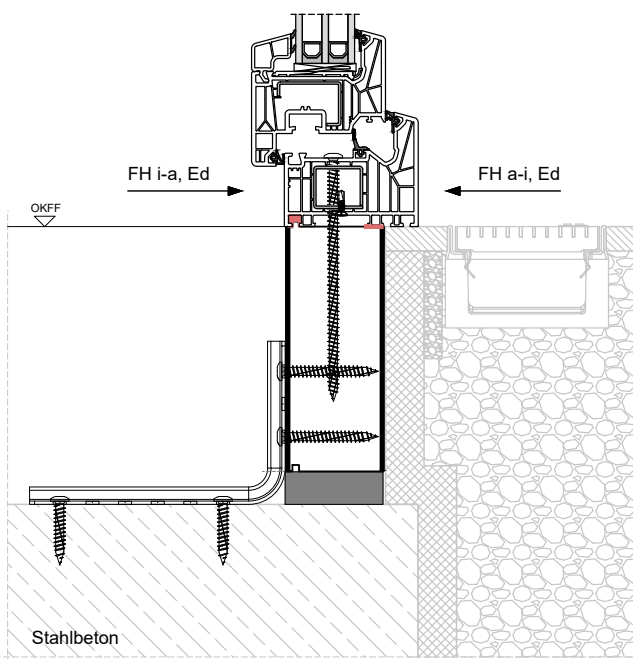


blaugelb Assembly Bracket, blaugelb Plinth Thermal Insulation Profile PVC/TK and blaugelb Frame Screw Fix FK-T30 in ensemble



### Installation situation in front of the supporting wall structure

Our window connection with the blaugelb Assembly Bracket, blaugelb Plinth Thermal Insulation Profile PVC/TK and blaugelb Frame Screw Fix FK-T30



Other system components:

**blaugelb Assembly Bracket**

see page 12

**blaugelb Frame Screw Fix FK-T30**

see page 4



Available in the following **profile depths**:  
 55 / 60 / 64 / 66 / 74 mm.



The blaugelb Plinth Thermal Insulation Profile EPS is made from a high-density EPS (expanded polystyrene) and offers the best possible heat and moisture protection on front doors and balcony doors made from wood, wood/aluminium, aluminium and plastic. The blaugelb Plinth Thermal Insulation Profile EPS is sturdy, durable and is exceptionally quick and easy to fit. The blaugelb Plinth Thermal Insulation Profile EPS provides thermal insulation and reduces the scope of conventional plastic profiles to form thermal bridges. It is dimensionally stable, 100 % free of HCFCs, HFCs and HBCDs and tested to be low in pollutants according to EMICODE EC1 Plus. The blaugelb Plinth Thermal Insulation Profile EPS is specially developed for fitting as a substructure thermal insulation profile under thresholds.

Shear strength: <b>DIN EN ISO 14130</b>	0.217 N/mm <sup>2</sup>
Dimensional strength: <b>DIN ISO 75-1</b>	Short-term up to +95 °C Long-term up to +85 °C
Dimensional stability: <b>DIN EN 13163:2015-04</b>	Very high, including outdoor weathering
Water absorption after 28 days under water: <b>DIN 12087</b>	≤ 0.5 vol. %
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x 42 mm sfs window sill screw 4.5 x 35 mm	F <sub>FK-AZ</sub> 1,200 N F <sub>FK-AZ</sub> 510 N
Compatibility with conventional building materials:	Compatible, except for solvents, solvent-bearing materials and materials that are not polystyrene-compatible
Ageing resistance:	Mould-proof, does not rot

### Product benefits:

- Effective insulation offering high potential savings
- Plinth thermal insulation permanently eliminates energy weak points on components installed on floor slabs and enhances indoor comfort
- Plinth thermal insulation using the blaugelb Plinth Thermal Insulation Profile EPS prevents damage caused by moisture and mould
- This product is Cradle to Cradle Certified® at the Silver level

Material:	High-density EPS (expanded polystyrene), high ductility
Compressive load bearing capacity at max. total deformation of 2 %:	1,260 kg/dm <sup>2</sup>
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	5,800 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	15,510 N
Fire behaviour: <b>DIN 4102-1:1998-05</b>	B2
Fire behaviour: <b>DIN EN 13501-1:2019-05</b>	Class E
Thermal conductivity nominal value $\lambda_{10}$ : <b>DIN EN 12667:2001-05</b>	0.0403 W/m*k
Water vapour diffusion resistance: <b>DIN EN ISO 12086</b>	228 $\mu$
Air permeability: <b>EN 12207</b>	Class 4
Bending strength: <b>DIN EN 12089</b>	≥ 2,490 kPa
Compression stress (2 % compression): <b>DIN EN DIN EN 13163:2017 / EN 826:2013-05</b>	≥ 1,435 kPa

Product name	PU	Item no.
blaugelb Plinth Thermal Insulation Profile EPS 30x55x1175 mm	Bundle of 20 pcs.	9274147
blaugelb Plinth Thermal Insulation Profile EPS 50x55x1175 mm	Bundle of 12 pcs.	9274148
blaugelb Plinth Thermal Insulation Profile EPS 80x55x1175 mm	Bundle of 12 pcs.	9274149
blaugelb Plinth Thermal Insulation Profile EPS 100x55x1175 mm	Bundle of 8 pcs.	9274150
blaugelb Plinth Thermal Insulation Profile EPS 30x60x1175 mm	Bundle of 20 pcs.	9274151
blaugelb Plinth Thermal Insulation Profile EPS 50x60x1175 mm	Bundle of 12 pcs.	9274152
blaugelb Plinth Thermal Insulation Profile EPS 80x60x1175 mm	Bundle of 12 pcs.	9274153
blaugelb Plinth Thermal Insulation Profile EPS 100x60x1175 mm	Bundle of 8 pcs.	9274184
blaugelb Plinth Thermal Insulation Profile EPS 30x64x1175 mm	Bundle of 20 pcs.	0420841
blaugelb Plinth Thermal Insulation Profile EPS 50x64x1175 mm	Bundle of 12 pcs.	0420842
blaugelb Plinth Thermal Insulation Profile EPS 80x64x1175 mm	Bundle of 12 pcs.	3100007839

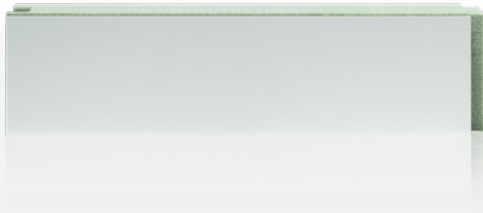
You will find a complete list of the item numbers at [www.blaugelb.de](http://www.blaugelb.de) or in the corresponding data sheet.

blaugelb

## Plinth Thermal Insulation Profile PVC/TK

For perfect insulation results.

Available in the following **profile depths:**  
55 / 60 / 66 / 74 mm.



The blaugelb Plinth Thermal Insulation Profile PVC/TK made of a TK core (thermoplastic resin) and a two-sided 2 mm PVC top layer (polyvinyl chloride) offers the best possible heat and moisture protection on balcony doors made of plastic, aluminium, wood and wood/aluminium. The blaugelb Plinth Thermal Insulation Profile PVC/TK is sturdy, durable and is exceptionally quick and easy to fit. The blaugelb Plinth Thermal Insulation Profile PVC/TK enables thermal separation and reduces potential thermal bridges compared to conventional plastic profiles with steel reinforcement. It is dimensionally stable, 100 % free of HCFCs, HFCs and HBCDs.

### Product benefits:

- Effective insulation offering high potential savings
- Permanently eliminates energy weak points on components installed on floor slabs and enhances indoor comfort
- Prevents damage caused by moisture and mould
- High load transfer
- Low weight
- Force-locking screwing in the frame structure
- UV-resistant PVC top layer

Surface and top layer:	On both sides 2 mm PVC white
Material:	Thermoplastic resin (TK)
Compressive load bearing capacity at 60 x 40 mm: (blaugelb Spacer Block)	4,440 N
Compressive load bearing capacity at 170 x 53 mm: (blaugelb Shim Block HST)	16,669 N
Compressive load bearing capacity at 210 x 53 mm: (blaugelb Shim Block HST)	20,628 N
Fire behaviour: <b>DIN 4102-1:1998-05</b>	B2
Fire behaviour: <b>DIN EN 13501-1:2019-05</b>	CLASS E
Thermal transmittance value U-value: 55 / 60 / 66 / 74 mm	0.696 / 0.641 / 0.586 / 0.526 W/m <sup>2</sup> K
Dimensional stability:	Very high, including outdoor weathering
Screw withdrawal values: blaugelb Frame Screw Fix FK-T30 7.5 x L mm 60 mm screw-in depth	X-axis: F <sub>FK</sub> 4,06 kN Y-axis: F <sub>FK</sub> 3,67 kN
UV-resistance of the PVC top layer: <b>DIN EN 513</b> (irradiation energy 12 GJ/m <sup>2</sup> or outdoor weathering over 5 years)	Fastness to weathering and light No colour variations occur that exceed grey scale grade 4 according to ISO 105-A03
Waste code:	AWV 070213

Product name	PU	Item no.
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 30 x 3000 mm	1 piece	3100004493
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 30 x 4000 mm	1 piece	3100004508
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 40 x 3000 mm	1 piece	3100004494
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 40 x 4000 mm	1 piece	3100004509
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 50 x 3000 mm	1 piece	3100004495
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 50 x 4000 mm	1 piece	3100004510
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 80 x 3000 mm	1 piece	3100004496
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 80 x 4000 mm	1 piece	3100004511
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 100 x 3000 mm	1 piece	3100004497
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 100 x 4000 mm	1 piece	3100004512
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 130 x 3000 mm	1 piece	3100004498
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 130 x 4000 mm	1 piece	3100004513
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 150 x 3000 mm	1 piece	3100004499
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 150 x 4000 mm	1 piece	3100004514
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 160 x 3000 mm	1 piece	3100004500
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 160 x 4000 mm	1 piece	3100004515
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 180 x 3000 mm	1 piece	3100004501
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 180 x 4000 mm	1 piece	3100004516
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 200 x 3000 mm	1 piece	3100004502
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 200 x 4000 mm	1 piece	3100004517
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 220 x 3000 mm	1 piece	3100004503
blaugelb Plinth Thermal Insulation Profile PVC/TK 55 x 220 x 4000 mm	1 piece	3100004518

You will find a complete list of the item numbers at [www.blaugelb.de](http://www.blaugelb.de) or in the corresponding data sheet.



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