



blaugelb Triotherm⁺ system

How to achieve perfect insulation.

Components **now certified**
for passive houses in the
window fitting system range.





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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 dimensions of the profiles combined with the sturdy dovetail joint allow them to be lengthened effortlessly at all times, even for larger sized windows.

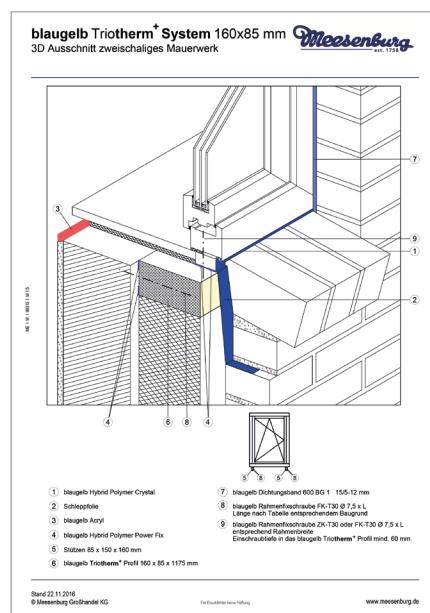
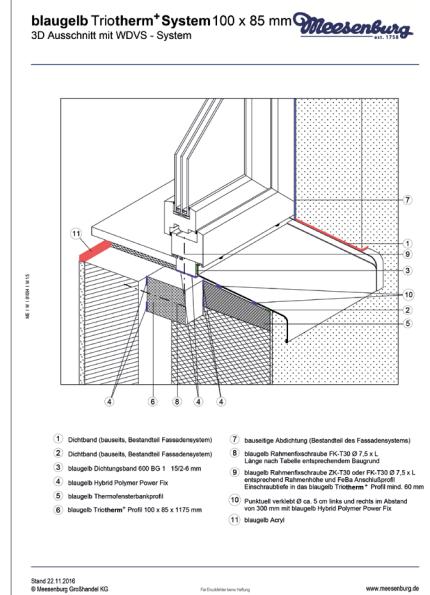
Not only does the blaugelb Hybrid Polymer Power Fix keep blaugelb Triotherm⁺ profiles in place until they are bolted to the wall, it also provides an increased measure of security and sealing quality between the wall and blaugelb Triotherm⁺ profiles, even where the substrate is not 100 % level.

The blaugelb Frame Screw Fix FK-T30 anchors blaugelb Triotherm⁺ profiles securely to the masonry. It allows the blaugelb Pre-Wall Installation system to be attached to the load-bearing structure with a safe mechanical fixing.

The window can now be secured directly in the blaugelb Triotherm⁺ profile without needing to pre-drill holes and the seal can be applied.



Tried and tested security with maximum simplicity in the execution – that's the blaugelb Pre-Wall Installation system.



CUT TO LENGTH
FIX
BOLT TOGETHER
DONE!



blaugelb **Triotherm⁺** system

How to achieve perfect insulation.

- System tests

Component inspection according to **ift guideline MO-02/1** (Fastening)
Component inspection according to **ift guideline MO-01/1** (Sealing)

System tested in a large cantilever

Tried and tested **static load transfer** (vertical concentrated load test)

Burglary-resistant as per **RC2** according to **EN 1628-30**

ETB guideline "Components providing fall arrest protection" according to **EN 18008-4**

Sound insulation according to **EN ISO 10140-1** and **EN ISO 717-1**

Window fitting system **components certified for passive houses**

- Additional tests

Airborne sound insulation, creep behaviour, shear strength

- Innovative dovetail joint -

no waste

- DIN 4102-compliant

building material class B1 - class E (DIN EN 13501-1)

- 100 % recyclable, HBCD-free

- Quick and easy fitting -
long-lasting solution

Complete planning reliability with the blaugelb **Triotherm⁺** system

Install anywhere and use any seal – and still obtain a tried and tested result.

At a time when awareness of our environment and how we manage it is increasingly becoming a central issue and when directives are becoming increasingly complex, in every building project energy-efficient construction needs to be examined with the utmost scrutiny to obtain a convincing final outcome.

Placing windows into the insulation base and therefore integrating them directly into the cladding system represents a major step towards energy efficiency in window design.

With the blaugelb **Triotherm⁺** system, this can be achieved without much cost or effort and without restricting the planning or further execution – now also as components certified for passive houses in the window fitting system range.

A tried and tested system which is easy to fit and creates added value in all aspects of windows.

With the blaugelb **Triotherm⁺** system, you are free to choose the type of seal you use, although this choice should always be made on a professional basis. The ift-tested pre-wall installation system from blaugelb allows multifunctional tape or foam and film to be used as the window seal.

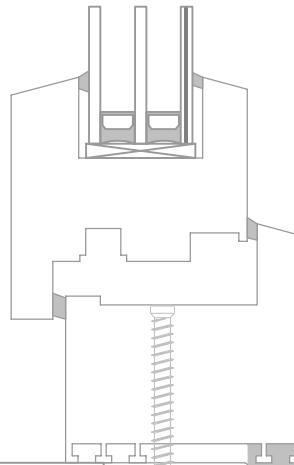
The blaugelb **Triotherm⁺** system plays a critical role in the safety field. The system is tested to ETB and thus does not require any additional metallic fasteners for the installation of elements with fall-arresting characteristics.

Furthermore, the system has RC2 verification and 32 sound insulation tests with a 60 dB element for each cantilever including the sealing – meaning that elements with high sound insulation levels can also be installed without acoustic effects.

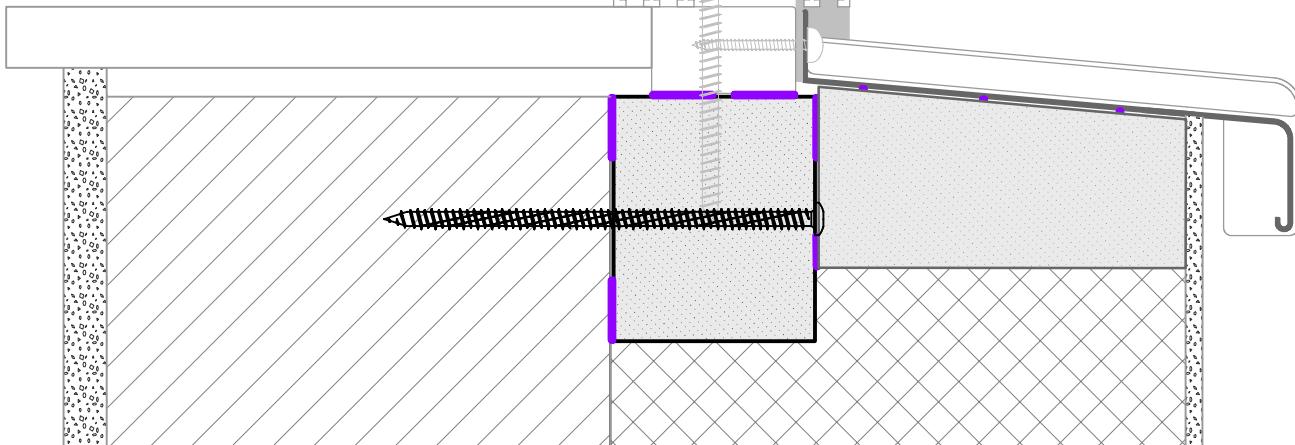
The **Triotherm⁺** system allows you a free choice of seal - professional window fitting where it makes sense.

The blaugelb Pre-Wall Installation system.





schematic diagram of the blaugelb Triotherm⁺ system



A tried and tested system - three components

blaugelb Triotherm⁺ profiles

made from a high-density EPS (expanded polystyrene) are one of the three system components of the blaugelb Triotherm⁺ system. These sturdy and durable profiles can be fitted exceptionally quickly and easily and can be integrated very well into all cladding systems - the ideal system even for cavity walls.

blaugelb Triotherm⁺ profiles provide a perfect combination of heavy-duty fitting and load transfer as well as optimally reducing avoidable thermal bridges as a result of the outstanding insulation qualities of blaugelb Triotherm⁺ profiles. They are dimensionally stable and 100% free of HCFCs, HFCs and HBCDs. blaugelb Triotherm⁺ profiles are specially developed for fitting window structures in the insulation base.

blaugelb Hybrid Polymer Power Fix

is a single-component permanently elastic sealant that is suitable for sealing expansion and connecting joints. Not only does blaugelb Hybrid Polymer Power Fix have excellent sealing qualities, it is also strong enough to attach components to a variety of substrates. It works as a sealant material and ancillary fixative and is used for fitting blaugelb Triotherm⁺ profiles.

blaugelb Frame screw Fix FK-T30

secures blaugelb Triotherm⁺ profiles to structures as a reliable and durable fixative. The high-grade carbon steel screws provide maximum torsional rigidity and a precision fit when bolting components together. The optimised crest of the thread ensures fitters are able to fix components together effortlessly.

Expert. Honest. Reliable.

For more information, please visit
www.blaugelb.de



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