

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



## blaugelb Adhesive and sealant Multikraft Extreme

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

- Very good initial adhesion
- Universally usable
- Water-resistant and seawater-resistant
- Non-fading, weather and UV-resistant
- Permanently elastic and strain-equalising
- Suitable for natural stone
- Silicone, acid, isocyanate and solvent-free
- Non-corrosive

## Product features:

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.

## Applications:

For bonding and sealing in the metal and construction industry, for window sills, floor joints, plates, panels, strips, wood constructions and insulating materials.

Strain-free structural bonding in the construction and industrial area, very suitable for bonding vibrating parts such as vehicle bodies.

Other areas of application include body making, wagon and container construction, metal and apparatus construction, mechanical, electrical and plastics engineering, ventilation and climate control technology etc.

## Substrates:

Metals (steel, aluminium, brass, zinc etc.), wood, laminate, cork, plastics (polycarbonate, PVC, ABS, polyamide, PMMA and GRP), HPL, concrete, stone, plaster, ceramic, enamel, glass, etc.

Examples include: Panels, skirting boards, decorative panels, insulating and acoustic panels, trim profiles, wall panelling, panels, thresholds, baseboards, floor joints, insulating material, polystyrene, tiles, natural stone, window sills etc.

Do not use on PE, PP, PTFE or silicones. Incompatibility may occur on plastics containing plasticisers (e.g. soft PVC, butyl rubber, EPDM, APTK). If used on PMMA and polycarbonate, ensure that the bond is strain-free as stress cracks may otherwise occur. We recommend that you conducting sufficient internal tests first.

## 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

## Technical data:

|  |   |
|--|---|
| Material base:   | 1C hybrid polymer   |
| Colour:  | White   |
| Curing system:   | Polymerisation by atmospheric humidity  |
| Building material class:<br><b>DIN EN 13501-1</b>        | Class E   |
| Curing speed:<br>At 23°C and 50% rel. humidity           | Approx. 2-3 mm / 24 hrs.  |
| Skin formation:<br>At 23°C and 50% rel. humidity         | Approx. 10 minutes  |
| Density:<br><b>DIN 53479</b>                             | 1.67 g/ml   |
| Shore A hardness:<br><b>DIN 53505</b>                    | 40 +/- 5  |
| Max. permissible deformation:<br><b>DIN EN ISO 11600</b> | 20 %  |
| Change in volume:<br><b>DIN EN ISO 10563</b>             | -3 to -4 vol. %   |
| Tensile strength:<br><b>DIN 53504</b>                    | 1.8 N/mm <sup>2</sup>   |
| Tensile shear strength:<br><b>DIN 53504</b>              | 0.9 N/mm <sup>2</sup>   |
| Modulus of elasticity 100 %:<br><b>DIN EN ISO 8339</b>   | 0.75 N/mm <sup>2</sup>  |
| Elongation at break:<br><b>DIN 53504</b>                 | 750 %   |
| Elastic recovery:<br><b>ISO 7389-B</b>                   | > 75 %  |
| Solvent content:   | Free  |
| Isocyanate content:                                      | Free  |
| Processing temperature:                                  | Ambient: 0°C to +40°C<br>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 |
| Storage life:  | 12 months in unopened pack at +5°C to +25°C                                     |
| Delivery form:   | 290 ml cartridge  |

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

## Preparation and processing:

The substrate must be firm, stable, clean and free of grease, dust and loose parts. The blaugelb Adhesive and sealant Multikraft Extreme also adheres to moist surfaces and even under water, but the best tack values are achieved on dry substrates.

Before application, the suitability of the material for the intended application is to be verified through appropriate tests performed by the customer.

Curing takes place by reaction with atmospheric humidity from the outside inwards, and therefore slows down as time passes. Curing also slows down at low temperatures and/or if atmospheric humidity is low. The blaugelb Adhesive and sealant Multikraft Extreme can be smoothed off before skin formation.

## **Cleaning and repair:**

Before curing, it can be cleaned using turpentine substitute; after curing, the blaugelb Adhesive and sealant Multikraft Extreme can be removed with a silicone remover or mechanically. Repairs to the joint of blaugelb Adhesive and sealant Multikraft Extreme can be performed using the same material.

## **Delivery and storage form:**

Store in the original packaging in a dry place and protect against effects of frost and heat. Can be stored in the unopened packaging for 12 months at a storage temperature between +5°C and +25°C.

## **Disposal:**

The disposal conforms with the national specifications.

## **Safety note:**

Please note the safety data sheets.