

## ErgoFlex Flexible Foam

### Product description

This elastic one-component PU foam has a very high elasticity of more than 35% and is therefore particularly suitable for expansion joints. Because of the ergonomically formed cap the ErgoFlex PU foam is safe, easy and more comfortable to use and ensures accurate dosage.

### Material

A one component, moisture curing, polyurethane foam.

### Colour

- white

### Product advantages

- elasticity of more than 35%
- low post-expansion
- easy to cut
- applicable at temperature as low as 0°C
- easy and comfortable to use
- less hand strain

### Packaging

- 500 ml tinplate can



illbruck ErgoFlex Flexible Foam

### Technical data illbruck ErgoFlex Flexible Foam

|                             | DIN            | Classification   |
|-----------------------------|----------------|--|
| Building material class     | 4102, part 1   | B3   |
| Base material               |                | polyurethan-prepolymer                                   |
| Cure                        |                | moisture-curing  |
| Character                   |                | flexible   |
| Density*                    |                | 15 – 20 kg/m <sup>3</sup>                                |
| Thermal conductivity        | 52 612         | 25 – 30 mW/mK  |
| Air tightness               | EN 1026, EN 45 | 650 PA (SHG 03-245)                                      |
| Deformation (MAD)           |                | 35%  |
| Tensile strength            | 53 455         | 65 kPa   |
| Elongation at break         | 53 455         | 50%  |
| Tack free* (30 mm bead)     |                | after 10 min.  |
| Trimable time* (30 mm bead) |                | after 45 min.  |
| Full cure*                  |                | after 24 hours   |
| Water absorption            | 53 428         | 0.3 vol. %   |
| Temperature resistance      |                | permanent: –40°C to +90°C<br>short time: –40°C to +130°C |
| Shelf life                  |                | 9 months after date of production                        |
| Storage                     |                | cool, dry, upright and frost free                        |

\* details dependent on the temperature and humidity

# ErgoFlex Flexible Foam

## Application

### Product applications

- window installation
- sealing of very small joints
- sealing of inner walls and ceilings

### Application advices

Surfaces should be dry and free from loose particles, dust and grease. Apply foam sparingly. Apply in ribbons. Moisten between layers. Application temperature is between 0°C and +35°C.

### Important advice

Use only in well ventilated areas. No smoking. Wear suitable protective clothing. Wear suitable gloves and eye/face protection. Protect floor coverings with paper or plastic film. Remove excess foam immediately with PU-Cleaner or acetone. Cured foam can only be removed mechanically. Not UV-resistant. Store cans upright.

### Safety recommendations

See Safety Data Sheet.

### Service

illbruck can offer technical advice and guidance at all times. Please contact us if you have any queries.



Figure 1: Leave cap on the can.



Figure 2: Shake the can vigorously at least 20 times before use.



Figure 3: Fix nozzle to the connector at the top of the trigger.



Figure 4: Remove the safety catch.



Figure 5: Pull trigger to activate can.



Figure 6: To store for future use push safety catch into nozzle end after use.

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### Additional information

This information can only be regarded as providing general instructions. Because of the conditions of use and application over which we have no control, and the great variety of different materials, the user should carry out sufficient tests himself to test the material's suitability for the application concerned.

Manufacturer's information at 02/06. We reserve the right to make technical changes.

illbruck Sealant Systems BV · Vlietskade 1032 · 4241 WC Arkel · Nederland · Tel. +31 (0) 183/56 80 00 · Fax +31 (0) 183/56 81 00  
www.illbruck.com · e-mail: sealantsystems-be@illbruck.com · e-mail: sealantsystems-nl@illbruck.com