



TEKAFLEX

PU 2K

Elastic two component polyurethane sealant for the manufacturing of insulating glass units



PROPERTIES

- Excellent adhesion to clean surfaces such as glass, aluminium and stainless steel
- Good adhesion to many plastics
- Low water vapour transmission rate
- Compatible with all materials used in insulating glass units construction
- Toxic mercury free

USE

- Secondary sealant for the manufacturing of insulating glass units
- Because of its low water vapour and gass transmission rate it is highly suitable for the manufacturing of gas filled insulating glass units

TECHNICAL DATA

Uncured sealant

Base	A component B component	Polyurethane Isocyanate chemical
Curing mechanism		chemical
Form	A component B component	beige paste black paste
Specific gravity	A component B component	1,70 ± 0,03 kg/m ³ 1,12 ± 0,03 kg/m ³
Mixing ratio	volume A:B weight (paste) (liquid)	10:1 10:0,7 10:0,67
Application time		25 - 50 min
Resistance to flow		0 mm
Application temperature		+15°C do +30°C

Hardened sealant

Hardness Shore A	ISO 868	>35
Tensile strength	SIST EN 28339	≥0,7 MPa
Tensile strength (float glass)	EN 1279.4, annex A	>0,3 MPa
Water vapour transmission rate	EN 1279.4	< 4 g/m ² /d
Gas permeation	EN 1279.4	< 0,05 g/m ² /h
Volatile content	EN 1279.6, annex G	< 1%
Fogging	EN 1279.6, annex C	no fogging

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APPLICATION

To ensure good adhesion, the glass and spacer must be clean, fat and dust free.

Preparing the mixture

When using an automatic mixer ensure the mix ratio is correct. The mix ratio by volume is 10:1, maximum acceptable mixing tolerance $\pm 10\%$. The mixed product must be applied within the indicated application time. At a higher temperature the application time is shorter.

Curing

TEKAFLEX PU 2K should not be applied where the ambient temperature is below $+15^{\circ}\text{C}$. The curing speed depends on the storage temperature of the units produced with the sealant. At $+15^{\circ}\text{C}$ the curing times double or triple; at $+30^{\circ}\text{C}$ they are reduced by approx. 50%.

Cleaning

For cleaning tools and remaining fresh material Tekafin cleaner is used.

PACKING

- A component 200 L drum
- B component 20 L hobbock

STORAGE

Store in unopened containers in cool conditions. The shelf life is approx. 6 months

SAFETY

Please notice the indications on our EC-safety –data-sheets and the safety indications on the labels of each product for the treatment of our product.

Keep the EC-safety –data-sheet of the product you treat ready to hand. It gives you valuable indications for the safe usage, disposal and in case of accidents.

ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.