

Regupol® Keraflex Adhesive

Product Description

1K-PU-Keraflex Adhesive is a high quality one component polyurethane sealant with a high modulus for a wide range of sealing and bonding applications.

Physical information

Colour	Black
Packaging	310ml tubes, 600ml tube bags and 25Kg tins
Shelf life	9 months in unopened packaging
Storage	To be cold, dry and stored between +5°C & +25°C
Transport	Non hazardous for all means of transport

Technical information

Base	Polyurethane
Consistency	Stable paste
Curing system	Moisture cure
Skin formation	ca 15 mins (20°C/65%/RH)
Curing rate	3mm/24h (20°C/65%/RH)
Hardness	40 Shore A
Shrinkage	Max 4%
Specific gravity	1.26
Temperature range	-40°C to +90°C
Elastic recovery	>80%
Elongation at break	>600%
Elastic modulus 100%	0.60N/mm ² (DIN 53504)
Breaking strength	> 1.5N/mm ² (DIN 53504)
Maximum allowed distortion	15%

Usage

Substrate	Most of the usual building substrates and many plastics, but not for use on glass
Surface Preparation	Clean, dry, free of dust and grease Apply primer 100 on porous surfaces. BSW surface activator may be applied on non porous surfaces (plastics and painted) when adhesion is poor
Application	Pneumatic caulking gun or manual
Application temperature	+1°C to +30°C
Cleaning	White spirit immediately after application
Finishing	Smooth joint with a soapy solution before skin forms



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Benefits

- Very easy to apply
- Excellent adhesion characteristics on most building substrates
- Excellent resistance to most chemicals
- Permanently elastic post curing

Applications

- All sealing and bonding applications in the building and metal industry
- Structural bonding of acoustic/vibration materials such as:
 - Sealing and bonding in metal constructions
 - Sealing of shrinkage joints
 - Flexible bonding in container building
 - Gluing of roof tiles

NB:

- To ensure correct performance, a small adhesion test is recommended
- When painted with oxidative drying paints disturbances in the drying of paints may occur

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