



The Glue People

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Tradeseal FC40

High quality polyurethane sealant / adhesive

Product Description

FC40 is a high quality one component polyurethane sealant with a high modulus for a wide range of sealing and bonding applications.

Characteristics

- Very good applicability
- Permanently elastic after curing
- Very good adhesion on many surfaces
- Excellent resistance to many chemicals

Applications

- All sealing and bonding applications in the building and metal industry
- Structural bonding in vibration constructions

Application Examples

- Sealing and bonding in metal constructions
- Sealing of shrinkage joints in concrete floors
- Flexible bondings in container building
- Gluing of roof tiles

Packaging and Colours

Colours: White – Grey – Black – Teak (other colours on request)

Packaging: Aluminium cartridge of 310 ML
Aluminium sausage of 600 ML

Shelflife

9 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Technical Data

Base:	Polyurethane
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin Formation:	ca 15 min (20°C/65% relative humidity)
Curing Rate:	3mm/24h (20°C/65% R.H.)
Hardness:	40 ± Shore A
Shrink:	max. 4%
Specific Gravity:	1.26
Temperature Resistance:	-40°C until +90°C
Elastic Recovery:	> 80%
Elongated at break:	> 600%
Elasticity Modulus 100%:	0.60 N/mm ² (DIN 53504)
Breaking Strength:	> 1.50 N/mm ² (DIN 53504)
Max Allowed Distortion:	15%

Surfaces

Substrate: Most of the usual building substrates, most metals, polyesters and many plastics.
Not on glass.

State of surface: Clean, dry and free from dust and grease.

Preparation: Apply Primer 100 on porous surfaces.

Joint Size

Min. Width: 2mm in bonding applications
5mm in joints

Max. Width: 10mm in bonding applications
30mm in joints

Min. Depth: 5mm in joints

Recommendation: Joint depth = Joint width

Application

Application method: Manual or pneumatical caulking gun

Application temperature: +1°C until 30°C

Cleaning: Clean with white spirits immediately after application

Finishing: Smoothen joint with a soapy solution before skin forming

Transport Information

Non hazardous for all means of transport.

Labelling

Symbol: None

Risk phrases: None

Safety phrases: None

Contains: Isocyanates

Information

In order to ensure the correct performance of our products, we recommend a small adhesion test. A sample can be provided upon request.

When painted with oxidative drying paints, disturbances in the drying of the paints may occur.