Technical data sheet

DETAFLEX 4000

CHARACTERISTICS

- Polyurethane sealant
- Permanent elasticity
- Very easy to apply
- High resistance to high and low temperatures
- Excellent adhesion to almost all building materials
- Resistance to chemicals
- Can be repainted. Preliminary tests may be recommended
- High resistance to ageing and weather conditions

APPLICATIONS

- Suitable for the automobile industry.
- Sealing and bonding in shipping, construction and industry
- Applications under permanent water load / immersion (in combination with a primer).

TECHNICAL CHARACTERISTICS	
Type of product	Polyurethane
Density (g/ml)	1.18
Consistency	Pasta
Application temperature	+5°C - +35°C
Temperature resistance	-40°C - +80°C
Curing system	Curing by air humidity
Curing speed at 23 degrees C and 50% R.H. (mm, after 24h)	2
Skin forming time at 23°C and 50% R.H. (min.)	70
Shore A hardness: ISO 868	40
Maximum permissible deformation: ISO 11600	25%
Modulus at 100% elongation: ISO 8339 (N/mm^2)	0.32
% Elongation at break: ISO 8339	680
Shelf life of unopened product	12 months
Storage conditions	Store in a dry, cool place at +5°C to +25°C. Keep out of direct sunlight.

PACKING AND COLOURS
25 x cartridge 310ML/box - 1200 pieces/pallet White, Grey, Black
20 x foil bag 600ML/box - 1000 pieces/pallet White, Grey, Black

METHOD OF USE

Preparation

- Use in well-ventilated rooms. Good ventilation is important during application and curing of the product.
- The surfaces must be solid, dry and free of dust and grease.

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply

DL CHEMICALS Since 1936 Manufacturer of Sealants

DL Chemicals nv
Roterijstraat 201-203 - Zone 5 Snepbeek - 8793 Waregem - Belgium
T +32 56 62 70 51 - F +32 56 60 95 68
info@dl-chem.com - **www.dl-chem.com**

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- If needed degrease the materials to be glued with Parasilico Cleaner, MEK, fire alcohol, ethanol.
- The user needs to make sure that the product is suitable for the application. Consult our technical service if necessary.

Primers

- On highly absorbent surfaces we recommend to use the Hybrid & PU Primer (transparent or black, drying time about 15 min.).
- Use a primer on plastic surfaces.

Application

- Apply the product from the cartridge or foil packaging with a manual or pneumatic caulking gun.
- The size and shape of the joint is very important. Avoid thin joints.
- Do not subject the joint to thermal, mechanical or chemical stress before curing is complete.

Joint dimensions

- Suitable joint widths from 5 mm to 30 mm
- Joints with a width up to 10 mm: joint depth should equal joint width
- Joints wider than 10 mm: joint depth = (joint width/3) + 6 mm.

Tooling

- Smooth surface before skin formation with Perfect Joint Tooling Agent and/or the Perfect Joint Tool.

Cleaning

- Tools, surfaces and uncured residues can be removed with Parasilico Cleaner, Multi-Purpose Super Cleaner or Cleaning Wipes. Remainder of silicone can be removed with Silicone Remover after curing
- After curing remove mechanically.

SAFETY

Consult the safety information on the packaging and the safety data sheet for more information. Professional use requires mandatory PU training since 24/08/2023. More information: www.dl-chem.com/pu_training

POINTS OF ATTENTION

- Not suitable for mirrors.
- Not suitable for glazing joints.

TECHNICAL APPROVALS AND QUALITY LABELS

- UKCA & CE according to EN 15651-1: F EXT-INT 25 LM
- UKCA & CE according to EN 15651-4: PW 25 HM
- French VOC emission class A+

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