

Detaflex 4000 Polyurethane



Features and Benefits

- Permanently elastic, polyurethane sealant
- Medium modulus
- Has a high resistance to ageing, weather conditions and low and high temperatures
- Good chemical resistance
- Excellent adhesion to almost all building materials
- Can be repainted. Preliminary tests may be recommended
- Very easy to apply

Application

- Has an excellent adhesion to most materials such as wood, concrete, metals, anodized aluminium, natural and artificial stone
- Use a primer on porous surfaces and on plastics
- Is suited for the automobile industry, for carriage work, cool trucks, caravans, shipping, and all elastic joints and construction-joints in the building industry

Tooling

- When needed with DL100 or tools

Shelf Life

- Min. 12 months (in the original packing in dry conditions between +5°C – +25°C)

Viscosity

- Pasty

Vulcanising System

- Through moisture in the air

Skin Forming Time

- 70 Mins (23°C and 50% R.H.)

Vulcanisation Rate

- 2 mm/24h (23°C and 50% R.H.)

Density: ISO 1183

- 1,18 g/ml

Processing Temperature

- +5°C – +35°C

Temperature Resistance

- -40°C – +80°C

Modulus at 100% elongation: ISO 8339

- 0,38 N/mm²

% Elongation at break: ISO 8339

- 680%

Shore A hardness: ISO 868

- 40

Deformation capability: ISO 11600

- 25%

Method of application

- All surfaces should be dry, clean and free from dust or grease
- When necessary, degrease with Parasilico Cleaner, MEK, alcohol or ethanol. If necessary, use a primer
- It is recommended to carry out preliminary tests in order to determine the suitability of the product for its application with a gun (manual or pneumatic)
- If no more than 90% of joints are vulcanized, 5% movement is admitted

Limitations

- Do not use as glazing sealant or mirror adhesive
- Good ventilation is important during application and vulcanisation of the product

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.

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Joint Dimensions

Joint width	Joint depth	Allowed difference
3-4mm	3-4mm	±1mm
6mm	6mm	±1mm
8mm	8mm	±1mm
10mm	6-8mm	±2mm
15mm	10mm	±2mm
20mm	10-12mm	±2mm
25mm	15mm	±3mm

Maximum joint length: 30mm

Polyurethane Sealants Chemical Compatibilities

Type	Products	Compatibility	Notes
Acids	10% acetic acid	Good	-
Acids	25% acetic acid	Poor	Sealant swelling
Acids	10% hydrochloric acid (PH3)	Good	-
Acids	25% hydrochloric acid	Poor	Sealant swelling
Acids	10% sulfuric acid	Good	-
Acids	25% sulfuric acid	Good	-
Acids	10% nitric acid	Poor	Sealant swelling
Bases	10% soda (PH8)	Good	
Bases	25% soda	Poor	Adhesion loss
Bases	10% potassium acid	Good	
Bases	10% potassium acid	Poor	Adhesion loss
Oil and Solvents	Engine Oil	Very Good	
Oil and Solvents	Methanol, Formol, Ethanol, Acetone, MEK, Ethyl acetate, Toluene, Xylene, Chloric solvents, petrol	Poor	Sealant swelling
Oil and Solvents	Glycol	Very Good	-
Oil and Solvents	Aliphatic solvents	Good	-
Miscellaneous	Water, sea water	Very Good	-
Miscellaneous	Brine	Good	-

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