DETAFLEX 4000



CHARACTERISTICS

- 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

APPLICATIONS

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

| TECHNICAL CHARACTERISTICS | | | |
|--|-----------------------------|--|--|
| Uncured sealant | | | |
| Type of sealant | Polyurethane | | |
| Viscosity | Pasty | | |
| Vulcanising system | Through moisture in the air | | |
| Skin forming time (23°C and 50% R.H.) | 70 min | | |
| Vulcanisation rate (23°C and 50% R.H.) | 2 mm/24h | | |
| Density: ISO 1183 | 1,18 g/ml | | |
| Processing temperature | +5°C - +35°C | | |
| Shelf life, in the original packing in dry conditions between +5°C - +25°C | Min. 12 months | | |
| Cured sealant | | | |
| Shore A hardness : ISO 868 | 40 | | |
| Deformation capability: ISO 11600 | 25% | | |
| Modulus at 100% elongation : ISO 8339 | 0,38 N/mm ² | | |
| % Elongation at break : ISO 8339 | 680% | | |
| Temperature resistance | -40°C - +80°C | | |

| PACKING AND COLOURS | |
|---|--|
| 25 alu-cartridges of 310 ml/box - 48 boxes/pallet | |
| White, grey, black | |
| 20 sausages of 600 ml/box - 45 boxes/pallet | |
| White, grey, black | |

METHOD OF USE

Preparation

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.

Primers

| Primer DL 2001 | Transparent | Curing time (approx.) 20 min |
|----------------|-------------|------------------------------|
|----------------|-------------|------------------------------|

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Application

With a gun (manual or pneumatic). If no more than 90% of joints are vulcanized, 5% movement is admitted.

Joint dimensions

| Joint width | Joint depth | Allowed difference | | |
|----------------------------|-------------|--------------------|--|--|
| 3-4 mm | 3-4 mm | ± 1 mm | | |
| 6 mm | 6 mm | ± 1 mm | | |
| 8 mm | 8 mm | ± 1 mm | | |
| 10 mm | 6-8 mm | ± 2 mm | | |
| 15 mm | 10 mm | ± 2 mm | | |
| 20 mm | 10-12 mm | ± 2 mm | | |
| 25 mm | 15 mm | ± 3 mm | | |
| Maximum joint width: 30 mm | | | | |

Tooling

When needed with **DL100** or tools.

Cleaning

Before curing: Parasilico Cleaner

After curing: Remove as much as possible mechanically; the remainders of the silicone with Silicone Remover.

Repairing

With the same product.

SAFETY

See safety data sheet.

LIMITATIONS

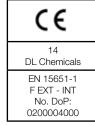
- Do not use as glazing sealant or mirror adhesive.
- Good ventilation is important during application and vulcanisation of the product.

POLYURETHAN SEALANTS CHEMICAL COMPATIBILITIES

| | products | compatibility | note |
|------------------|---|---------------|------------------|
| Acids | 10% acetic acid | good | |
| | 25% acetic acid | poor | sealant swelling |
| | 10% hydrochloric acid (pH3) | good | |
| | 25% hydrochloric acid | poor | sealant swelling |
| | 10% sulfuric acid | good | |
| | 25% sulfuric acid | good | |
| | 10% nitric acid | poor | sealant swelling |
| Bases | 10% soda (pH8) | good | |
| | 25% soda | poor | adhesion loss |
| | 10% potassium chlorate | good | |
| | 25% potassium chlorate | poor | adhesion loss |
| Oil and solvants | Engine oil | very good | |
| | Methanol, Formol, Ethanol, Acetone, MEK, Ethyl acetate, Tolueen, Xyleen, Chloric solvents, petrol | poor | sealant swelling |
| | Glycol | very good | |
| | Aliphatic solvents | good | |
| Miscellaneous | Water, sea water | very good | |
| | Brine | good | |

TECHNICAL APPROVALS

CE





* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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