TECHNICAL DATA SHEET

DETAFLEX 1500

CHARACTERISTICS

- Permanently elastic, polyurethane sealant
- Low 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 designed for bonding and sealing different substrates in construction industry and navigation.
- 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.)	90 - 150 min.
Vulcanisation rate (23°C and 50% R.H.)	3 mm after 24h
Density : ISO 1183	1,17 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in the original packing in dry conditions between +5°C - +25°C	12 months
Cured sealant	
Shore A hardness : ISO 868	25
Deformation capability : ISO 11600	25%
Modulus at 100% elongation : ISO 8339	0,28 N/mm²
% Elongation at break : ISO 8339	>400%
Temperature resistance	-40°C - +80°C

PACKING AND COLOURS
25 alu-cartridges of 310 ml/box - 48 boxes/pallet
Black, white, brown, grey
20 sausages of 600 ml/box - 45 boxes/pallet
Black, white, grey

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 or black	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. Good ventilation is important during application and vulcanisation of the product.

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 online.

LIMITATIONS
- Do not use as glazing sealant or mirror adhesive.

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
SNJF (Société National du Joint Français): Façade nr 4042, mastic type élastomère 25E

CE

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DL Chemicals

EN 15651-1
F EXT - INT
No. DoP:
0200002000/01

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

* 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).