

Detaflex 1500

1/2

DESCRIPTION

DETAFLIX 1500 is a high-quality, fast moisture curing, permanently elastic, low modulus, one-component polyurethane sealant which forms a permanent weather-proof bond to many surfaces. **DETAFLIX 1500** has a high resistance to weather conditions and high and low temperatures -40°C tot $+80^{\circ}\text{C}$.

APPLICATION

DETAFLIX 1500 is designed for bonding and sealing different substrates in construction industry and navigation. **DETAFLIX 1500** has an excellent adhesion to most materials such as wood, concrete, metals, aluminum, natural and artificial stone. Use a primer on porous surfaces and on plastics.

DETAFLIX 1500 can be repainted.

JOINT MEASURES

Joint width	Joint depth	Allowed difference
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	12 mm	± 2 mm
25 mm	15 mm	± 2 mm

PROCESSING TEMPERATURE

From $+5^{\circ}\text{C}$ up to $+35^{\circ}\text{C}$

SURFACES

All surfaces need to be dry, clean and free from dust of grease. When necessary, degrease with MEK, alcohol or ethanol.

If necessary, use primer. It is recommended that adhesion tests are carried out to determine the suitability of the product for its application. When in doubt, contact our technical support service.

PRIMERS

	colour	drying time
DL 2001	Transparent	± 20 min

TOOLING

When needed with DL 100 or tools.

CLEANING

Before vulcanization

DETAFLIX CLEANER

After vulcanization

Remove as much as possible mechanically; the remainders of the P.U. sealant with **Silicone Remover**.

REPAIRING

With the same product.

AVAILABLE COLOURS

Black, white, brown, grey, stone grey (only in bags 600 ml).

LIMITATIONS

Do not use as glazing sealant or mirror adhesive.

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

SHELF LIFE

12 months in unopened packing and kept in dry and cool conditions between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$.

PACKING

25 cartridges of 310ml/ box

20 sausages of 600 ml/box

METHOD OF USE

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

PRECAUTIONS

Harmful. Contains isocyanate. Follow instructions of producer. See safety data sheet.

TECHNICAL APPROVALS



Label SNJF Façade nr 331, mastic type élastomère 25E

TECHNICAL CHARACTERISTICS

This technical data sheet replaces all previous editions. The data on this sheet have been drafted according to the last state of the laboratory data. Technical characteristics can be changed or adapted. We are not responsible in case of incompleteness. Before usage, one needs to ensure that the product is suitable for its application. Therefore, tests are necessary. Our general conditions apply.

Detaflex 1500

2/2

Non vulcanised sealant	
Basis	Polyurethane
Vulcanization system	1-C P.U.
Skimming time (23°C and 50 % R.H.)	90 - 150 min.
Vulcanization speed (23°C and 50 % R.H.)	2 mm/day
Density (ISO 1183)	1.17 g/ml
Vulcanized sealant	
shore A Hardness (ISO 868)	25
Elastic recovery (ISO 7389)	> 80 %
Maximum joint distortion	25%
Modulus at 100 % elong. (ISO 8340)	0,28 N/mm ²
Ultimate elongation at break (ISO 8339) %	680 %
Temperature resistance	-40°C / + 80°C

POLYURETHAN SEALANTS CHEMICAL COMPATIBILITIES

To determinate the good compatibility of a PU sealant, 6 dumbbells are molded following the ISO 8339 (1984). After curing 28 days at 23°C and 50% R.H. three dumbbells are pulled, the three remaining dumbbells are immersed in the checked product. The compatibility is considered as good if after the one-month immersion the tensile at break variation is not upper than 50% compared to untreated dumbbells and if the adhesion is good.

	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 solvents	Engine oil	very good	
	Methanol	poor	sealant swelling
	Formol	poor	sealant swelling
	Ethanol	poor	sealant swelling
	Glycol	very good	
	Acetone	poor	sealant swelling
	MEK	poor	sealant swelling
	Ethyl acetate	poor	sealant swelling
	Toluene	poor	sealant swelling
	Xylene	poor	sealant swelling
	Chloric solvents	poor	sealant swelling
	Aliphatic solvents	good	
	petrol	poor	sealant swelling
	Miscellaneous	water	very good
sea water		very good	
brine		good	

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