

## Description

DETAFLX 4000 is a medium modulus, fast vulcanising, elastic, surpaintable, one component polyurethane sealant, that cures by the influence of the humid encircling air, dependent on the temperature, the joint-depth and the porosity of the soil.

DETAFLX 4000 has a good resistance against high and low temperatures -40°C to +80°C.

## Application

DETAFLX 4000 is suited for the automobile industry, for carriage work, coll trucks, caravans, shipping, and all elastic joints and construction joints in the building industry.

DETAFLX 4000 has an excellent adhesion to most materials such as wood, concrete, metals, anodised aluminium, natural and artificial stone. use a primer on porous surfaces and on plastics. DETAFLX 4000 can be repainted. Preliminary tests may be recommended.

## Joint Measures

Joint Width	Joint Depth	Allowed Difference
3-4mm	4-5mm	±1mm
6mm	6mm	±1mm
8mm	6mm	±1mm
10mm	8mm	±2mm
15mm	10mm	±2mm
20mm	12mm	±2mm
25mm	15mm	±2mm

## Processing Temperature

From +5°C up to +35°C

## Surfaces

All surfaces need to be dry, clean and free from dust or grease. When necessary, degrease with Parasilico Cleaner, 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 minutes

## Tooling

When needed with DL 100 or tools.

## Cleaning

Before Vulcanisation - Parasilico Cleaner

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

## Repairing

With the same product

## Available Colours

Cartridges of 310 ml: white, grey & black.

Sausages of 600 ml: white, grey & black.

## Limitations

DETAFLX 4000 has an excellent water resistance (portable water). For joints exposed to water, the adhesion is maintained, but only if the support is not porous and if there is no risk of rising moisture (capillarity) at the sealant/joint interface. Do not use as glazing sealant or mirror glue. 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°C and +25°C.

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## Packing

Aluminium cartridges of 310 ml, 25 per box.

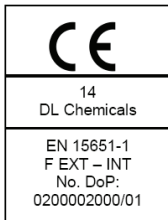
Bag Pacls of 600 ml, 20 per box.

## Method of Use

DETAFLIX 4000 is used with a manual or pneumatic pistol. As long as 90% of the joints are vulcanised, a maximal movement of 5% is admitted. DETAFLIX 4000 has excellent adhesion to most materials used in the building and engineering industry such as aluminium, concrete, ceramics, natural and artificial stone and polished metal.

## Precautions

Contains isocyanate. See information supplied by the manufacturer. Safety data sheet available for professional user on request. S23 do not breathe vapour.



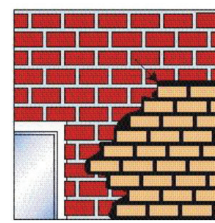
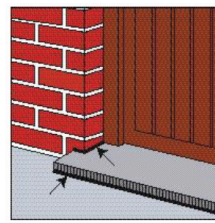
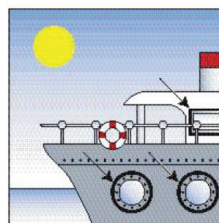
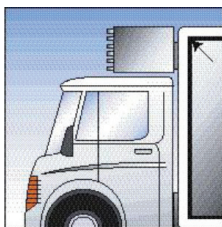
## Technical Characteristics

### Non Vulcanised Sealant

Basis	Polyurethane
Skinning Time (23°C and 50% R.H.)	70 min.
Vulcanisation Speed (23°C and 50% R.H.)	2mm/day
Density (ISO 1183)	1,18 g/ml

### Vulcanised Sealant

Shore A Hardness (ISO868)	40
Maximum Joint Distortion	25%
Modulus at 100% elong. (ISO 8340)	< 0,38 N/mm <sup>2</sup>
Elongation at break (ISO 8339)	> 680 %
Temperature Resistance	-40°C / +80°C



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## Polyurethane Sealants Chemical Compatibilities

To determine the good compatibility of a PU sealant, 6 dumbbells are moulded 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 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
<b>Acids</b>	10% Acetic Acid	Good	
	25% Acetic Acid	Poor	Sealant Swelling
	10% Hydrochloric Acid (pH3)	Good	
	25% Hydrochloric Acid	Poor	Sealant Swelling
	10% Sulphuric Acid	Good	
	25% Sulphuric Acid	Good	
	10% Nitric Acid	Poor	Sealant Swelling
<b>Bases</b>	10% Soda (pH8)	Good	
	25% Soda	Poor	Adhesion Loss
	10% Potassium Chlorate	Good	
	25% Potassium Chlorate	Poor	Adhesion Loss
<b>Oil and Solvents</b>	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
<b>Miscellaneous</b>	Water	Very good	
	Sea Water	Very Good	
	Brine	Good	

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