Product Data Sheet (TDS)

FastCoat Pro PU Joint Sealer

Single component, elastomer polyurethane sealant for expansion and joint sealant.

Product Description

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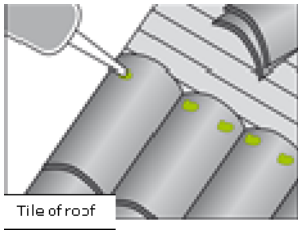

Application

- Waterproofing indoors, outdoors for masonry, expansion joints, termination points. Can also be used for bringing uneven surfaces level.
- Universal joint sealing compound for building construction.
- Expansion joints in heavy and light prefabrication and traditional masonry.

Properties

Adheres to aluminium, glass, masonry, wood, felt, asphalt, metal, single-ply etc.

Technical Data

Information on the product before application

Chemical identity	Polyurethane sealant medium modulus	
Physical state	Paste	
Skin formation time	(23°c, 50% HR)~ 60’	
Rate of cure in mm	in 24h (23°c, 50% HR)	>3mm
Resistance to flow	to 23°c	<3mm
	To 50°c	<3mm

Shrinkage	< 10%
Temperature of application	+5°c <T< + 40°c
Specific gravity	1.3 g/cm3
VOC VOC Categories According to directive 2004/42/CE	<80 g/L
Shelf life storage	12 months from production date, in original Unopened packaging and protected from Humidity. Store in a well-ventilated room and at a Maximum temperature of 30°c.

Chemical Products

Acetone	2	Hydrogen peroxide 33 vol	3
Ethylacetate	2	Ethanol 20%	3
Acetic acid 10%	2	Ethanol 100%	2
Acetic acid 25%	2	Ethyl hexanol	2
Hydrochloric acid 10%	3	Gasoline	3
Lactic acid 50%	1	Paraffin oil	3
Nitric acid 10%	1	Mineral oil	3
Sulfuric acid 5%	2	Octanol	1

Orthophosphoric Acid 84%	3	37% formic aldehyde solutions	3
Ammonia 22%	3	10% soda solution	1
Butoxyethanol	2	50% soda solutions	1
Salt water	3	Trichlorethylene	2
Bleach	3	White spirit	3
Spirit	3		

This information is given as indication in case of accidental projection of chemical Products.

Good Resistance - 3

Medium Resistance - 2

No Resistance - 1

Standard Conditioning of the Product

Packaging	Sausage 600ml	20 unit in box
	50 boxes per pallet	
Available Colours	Grey	

Consumption	Applicable joint length (in metres)				
Joint	Joint Width (mm)				
Depth (in mm)	4	6	8	12	20
4	19	13	9.7	6.5	3.8
6		8.6	6.5	4.3	2.6
8			4.8	3.2	1.9
10				2.6	1.6

Cured Joint Characteristics

Movement capability	25%	
Elongation at break	>250%	
Modulus	a 100%	0.25-0.30 Mpa
Hardness shore A	MEL 022	25-30
Services temperature	-20°c <T< + 80°c	

Chemical resistance (as an indication): to water, cleaning agents, accidental spills of oils and hydrocarbons, accidental spills of acids and diluted bases. Because of the sensitivity of polyurethanes to UV, clear colours may change over time. This modification is only aesthetic and it does not affect the mechanical properties of the cured product.

Surface Preparation

- The surface must be clean, dry and free of dust, grease or residues. On concrete, wait first for it to cure out and stabilize (minimum 4 weeks). A preliminary test is necessary on siliconized tiles. It is up to the contractor to check the compatibility with the surface in terms of adherence, chemical compatibility and staining (make a pre-test if required).
- Size correctly the joint according to the predictable movements and to the capacity of movement. The width of the joint must be between 6 and 40mm, also for vertical joints. For joints of 10mm and smaller, the depth of the joint must be equal to its width. For the widths of joints superior to 10mm respect a depth to width ratio of 2:1.

Application

- If necessary, apply in a thin layer a polyurethane-type primer. We recommend using a primer on mortars and similar materials with smooth surfaces.

- After the primer is cured, press a flexible backing rod that will not adhere to the sealant. The bottom of backing rod should not show notches likely to cause bubbling. Protect the edges of the joint by adhesive tape for a better finish.

- Apply the sealant in one layer for joints of small width, in three layers for joints of large width, the two first onto the edges of the joint and the third onto the bottom. Smooth with water free of additives. Press the sealant correctly against the edges and the bottom of the joint while avoiding the air bubbles inclusion. Remove the masking tape.

- Clean excess material with White Spirit before it dries and cures. Excess dried sealant can be removed by gentle scraping.

- Can be painted later, after full curing. Use water-based paint (acrylic or vinyl) but test first. Joint movement can in time crack the paint.

Safety Instructions

- Contains isocyanates
- Avoid contact with skin
- In the event of contact with eyes, clean immediately with water and obtain medical attention.
- Use only in well ventilated areas.
- Keep out the reach of children.
- Consult the Safety Data Sheet of the product.

Legal Notes

The information, and in particular, the recommendations relating to the application and the end use of FastCoat Pro PU Joint Sealer, are given in good faith based on LRS current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with LRS recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no guarantee in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from ant other advice offered. The user of the product must test the product's suitability for the intended application and purpose. LRS reserves the right to change the properties of its products. The proprietary rights of the third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.