

RAYSTON FLEX 3040

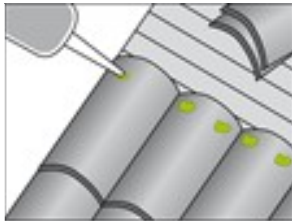
RAYSTON
products



Polyurethane sealant medium modulus

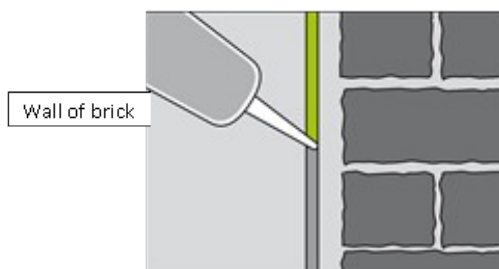
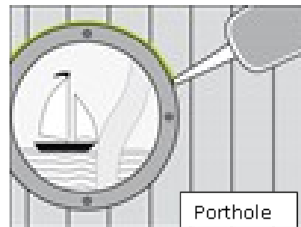
PRODUCT DESCRIPTION

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



APPLICATION

- Waterproofing indoor, outdoor for masonry, expansion joints, carpentry etc.
- Universal joint sealing compound for building construction.
- Expansion joints in heavy and light prefabrication and traditional masonry.



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)	≥ 3 mm
Resistance to flow	to 23°C	≤ 3 mm
	to 50°C	≤ 3 mm
Shrinkage	≤ 10 %	
Temperature of application	+ 5°C ≤ T ≤ + 40°C	
Specific gravity	1,3 g/cm3	0.95 g/cm3 (20°C)
VOC	≤ 80 g/L	
VOC Categories according to directive 2004/42/CE		
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.	

PROPERTIES

- Adheres to aluminum, glass, masonry, wood, etc.

TECHNICAL DATA

Acetone	●	Hydrogen peroxide 33vol	●
Ethyl acetate	●	Ethanol 20%	●
Acetic acid 10%	●	Ethanol 100%	●
Acetic acid 25%	●	Ethyl 2 hexanol	●
Hydrochloric acid 10%	●	Gasoline	●
Lactic acid 50%	○	Paraffin oil	●
Nitric acid 10%	○	Mineral oil	●
Sulfuric acid 5%	●	Octanol	○
Orthophosphoric acid 84%	●	37% formic aldehyde solution	●
Ammonia 22%	●	10% soda solution	○
2 Butoxy ethanol	●	50% soda solution	○
Saltwater	●	Trichlorethylen	●
Bleach	●	White spirit	●
E spirit	●		



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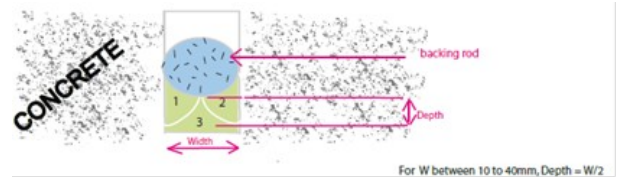
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Polyurethane sealant medium modulus

This information is given as indication in case of accidental projection of Chemical products.

good resistance
medium resistance
no resistance



APPLICATION

- If necessary, apply in a thin layer a polyurethane-type primer. We recommend to use the 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

OTHER INFORMATION


The information contained in this DATA SHEET, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.

Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This data sheet supersedes previous versions

STANDARD CONDITIONING OF THE PRODUCT

Packaging  sausage 600 ml 20 unit by box
50 boxes by palet

Available colours Grey, white. Other colours : please consult

Consumption Applicable joint length (in meters)

Joint depth (in mm)	Joint width (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
Hardness Shore A	MEL 022	25-30
Service temperature	- 20°C ≤ T ≤ + 80°C	

Chemical resistant (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 users to check the cotibility with the surface in terms of adherence, chemical cotibility 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 40 mm, also for vertical joints. For joints of 10 mm and smaller, the depth of the joint must be equal to its width. For the widths of joints superior to 10 mm respect a depth to width ratio of 2:1.



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