

ROTAFLEX HM PU SEALANT



PRODUCT CODE: 3474 – 310ml

DESCRIPTION: A one component moisture curing, paintable, high modulus polyurethane sealant or adhesive. Has excellent adhesion to most building substrates, is fast curing with permanent and durable elasticity and is non-staining to brickwork. Has first rate resistance to water and UV. Has permanent elasticity under most climate conditions.
Conforms to ISO 11600 F-25M

SPECIFIC USES: For interior and exterior waterproof joints in building and metal constructions. For bonding, sealing, mounting and anchoring in building applications. For expansion joints in industrial floors and for the periphery of swimming pools.

QUANTITY ESTIMATOR: Width x depth of joint, x length (in linear metres) of joint, divide this by the volume of tube = number of cartridges required, ie 10mm wide x 8mm deep x 8m long = 640 ÷ 310 = 2.09 tubes – therefore 2-3 tubes required.

PREPARATION: Surfaces must be sound, clean, dry and free from oil and grease. Any residues must be thoroughly removed prior to application of sealant. Priming is not usually necessary.- most substances only require priming if testing indicates a need or where sealant will be subjected to water immersion after curing. Where required place masking tape along edges, removing within 10 minutes of completion of application. **Rotafix P12 Primer** could be used as an adhesion promoter – allow to cure before sealant is used.

APPLICATION: Use a suitable caulking/sealant gun. Gun sealant firmly into joint to provide a solid fill, making sure no air is trapped within the sealant matrix.

FINISHING: Always tool down within 10 minutes of application using a spatula wetted with soapy water. Clean any excess sealant overspill immediately with white spirit. Paintable following full cure.

PHYSICAL CHARACTERISTICS:	Consistency – non sag paste	Joint configuration (width to depth ratio)	
	Application temperature +5°/+30°C	Width	Depth
	Density 1,15 to 1,17 g/ml	4mm minimum	4mm
	Tack free time 23°C and 50% RH 15 min	4-8mm	6mm
	Curing speed 23°C and 50% RH 4mm/day	10-12mm	8mm
	Shelf life stored between +5°C/-25°C 12 months	14-16mm	10mm
	Operating temperature -30°/+80°C	18-20mm	12mm
	Shore-A hardener 50	22-25mm maximum	14mm
	E-modulus at 100% 0.7 MPa		
	Elongation at break > 300%		

LIMITATIONS: During curing process, avoid exposure to high levels of chlorine or contact with alcohol and other solvent cleaners. Do not apply in the presence of curing silicone sealants. Sealant may bubble if applied in a high moisture vapour environment. Slight yellowing may occur if white sealant is exposed to ultraviolet rays. Adhesion tests prior to application are recommended. It is the user's responsibility to determine suitability.

HEALTH AND SAFETY: HARMFUL - Contains diphenylmethane-4, 4'-di-isocyanate. May cause sensitisation by inhalation. Harmful to aquatic organisms in uncured state. May cause long term adverse effects in the aquatic environment. Keep out of the reach of children. Do not breathe vapour.
In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this data sheet. In case of accident by inhalation, remove casualty to fresh air and keep at rest. Contains isocyanates - see COSHH sheet which accompany every delivery of the product. Dispose of all containers Clean clothes and tools in accordance with local Health and Safety requirements.

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The site conditions and equipment required when using individual Rotafix products are specific for each project.
Only advice given by Rotafix in writing will be considered as part of our contractual liability.
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Polyurethane products may cause irritation, sensitization by inhalation to some people. Please take the necessary precautions indicated in the COSHH details available from our offices. Please read our Users Safety Guide on the Handling of Resin and Polymer products.

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The information in this document is based on practical tests, but given without guarantee inasmuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.
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