

Comoflex PUR

One part low modulus gun grade Polyurethane sealant.

Description:

Comoflex PUR is a one part low modulus gun grade Polyurethane sealant which cures with atmospheric moisture to form a permanently elastic seal with excellent resistance to UV, weathering, water, and high temperatures suitable for tropical conditions.

Primary uses:

For interior and exterior applications in general construction, roofing, glazing, shipbuilding, container manufacturing, elastic bonding and sealing of expansion joints between Precast Elements, GRC Elements, Concrete, Mortar, Brick, Ceramic, Glass, Aluminium, Cementitious or terrazo Roof Tiles, Stainless Steel, PVC, Epoxy, etc...

Standards:

standard, Class F 25LM.
ASTM C920

Advantages:

- Easy to apply: One part gun grade 600ml sausage sealant.
- UV resistant.
- Non toxic when used in contact with drinking water or food and beverage.
- Paintable.
- Easy to apply as one part sealant.
- Excellent adhesion to most construction substrates.
- Available in wide range of colors.

- Smooth and presentable surface when used with other finishing materials.

Method of use:

Preparation:

Before starting application, ensure that the surface is dry, clean, free of all loose materials, dust, dirt, oil and other containments.

Joint design:

A suitable back-up material BACKING ROD (Closed Cell Polyethylene Foam-Backing Rod approx. 30% oversize) should be placed into the joint to the required depth. Usually optimum performance is achieved when width : depth = 2 : 1.

Dispensing:

Using suitable gun, extrude the sealant into the base of the joint and ensure that complete contact is made with the sides. Care should be taken to avoid trapping air within the sealant.

Comoflex PUR adheres without primer on most common construction materials.

For tooling, select a tool to suit the width of the joint and wet it with clean water containing a little detergent. Working upwards, in the case of vertical joints, lightly tool the sealant into the joint. This will improve adhesion, reduce air entrapped and enhance the appearance of the finished joint. Remove masking tape, if used, immediately after tooling.

Packaging:

600 ml aluminum sausage.
20 sausages per bag.

Colors:

White, Grey, Beige and other colors on request.

Technical Data:

Skin Formation time	75-105 minutes (at 23°C, 50% RH)
Polymerized thickness after 24 hours	2.5mm (at 23°C, 50% RH)
Resistance to flow at 50°C (ISO 7390)	<3
Loss of volume (ISO 10563)	<10%
Hardness Shore A	25 (DIN 53505)
Modulus of elasticity at 100%	0.25 Mpa (ISO 8339)
Elongation at break	>300 (ISO 8339)
Elastic Recovery	> 70% (ISO 7389)
Movement Capability	25%
VOC Content	23 g/L
Service Temperature	Up to 90°C.

Health and safety:

Comoflex PUR does not classified in the hazardous materials; however it should not be allowed to come into prolonged contact with skin and eyes.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

The first aid if some harm happened with eyes in to wash with water.

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WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

