ElastoSeal PU25

One component, non-sag, elastomeric polyurethane sealant with high tear and weather resistance

Description

ElastoSeal PU25 is a one component non sag polyurethane sealant that cures by reacting with air humidity to form a tough, high modulus and highly elastic sealant. **ElastoSeal PU25** has a very wide service temperature range. Suitable for vertical and horizontal joints.

- Excellent UV Resistant
- Very easy and economical to use.
- Excellent aging resistance.
- Paintable.
- High shore hardness characteristics.
- Remains elastic at temperatures down to -3^0C.
- Good resistance to microorganisms and a variety of chemicals.
- Good adhesion to most surfaces without neds for priming.

Fields of application

- General sealing of construction and expansion joints.
- Basement walls.
- Precast concrete elements.
- For concrete, wood, marble, stone, alminum, steel, ceramic, gypsum boards, etc.

Technical data

Form:	Grey, White
Density:	1.25 ± 0.05 g/cm^3
Shore A hardness: *ASTM C661*	40 ± 5 @ 7 days
Service temperature:	-30 up to 80 C
Elongation at break: *ASTM D412*	550%
Tensile strength: *ASTM D412*	1.9 MPa @ 7 days

Tack free time *ASTM C679*	30-60 minutes @ 23^0C & 50% RH
Lap Shear Strength *ASTM D-1002*	1.7 MPa @ 7 days
Water Potability	Passes

Directions to use

Substrate preparation

All substrates should be clean, dry, free from dust, oil, grease and any contaminations that could effect the bonding.

If the substrates need to be cleaned, use methyl ethyl ketone (MEK), acetone or grease remover. Always be sure that the substrates are dry before the application.

Priming

Common clean, dry and sound substrates without primers. However, **Flexprime PS100** primer can be used on porous substrates to achieve optimum bond strength.

For joints of porous substrates which will be continuously submerged in water, it is recommended to use **Flexprime PS100**.

Apply **ElastoSeal PU25** within 10 - 30 minutes from the application of Flexprime PS100 at 23^0C.

Application

The recommended application temperature range is 5^0C and 50^0C.

For cold weather application, store the product in a heated area at 20^0C for 24 hours prior to use. Install polyethylene joint backing rod to control the sealant depth.

Tooling and finishing should be carried out

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immediately after the application of the sealant. For op mum performance, the ratio of width to depth of the sealant should be 2:1. Minimum sealant depth should however be 6 mm.

Remarks

- Not recommended for unsound substrates.
- Although **ElastoSeal PU 25** is generally paintable, it is recommended test for the specific paint compatibility.
- Long exposure to UV, will reduce surface gloss, but will not affect sealant performance.

Cleaning

Clean tools and equipment first with paper towels and then wipe by using Acetone, xylene or other suitable solvents.

Packaging

Elastoseal PU25 is available in 600 ml sausage.

Consumption in joints

(Linear meter per 600 ml sausage)

Width Depth	5 mm	10 mm	15 mm	20 mm	25 mm	35 mm
6 mm	22	11				
7.5 mm			4.9	3.4		
10 mm				2.8	2.2	
15 mm					1.5	1.0

Shelf life

12 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Health & safety

Avoid direct contact with this product. Use of safety glasses, rubber gloves, and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children.

Refer to Safety Data Sheet for complete health and safety information.

Notes

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