

METFLEX PU 25

ONE COMPONENT HYBRID POLYURETHANE SEALANT

DESCRIPTION

METFLEX PU 25 is a one component, high performance sealant based on Hybrid Polyurethane Technology. It is solvent, silicone, isocyanate free and non – staining for natural stones applications. Having an excellent UV, weather and temperature resistance. It has excellent adhesion over a wide variety of substrates and is paintable with most common industrial paints.

FEATURES

- Non staining including hydrophobic staining
- Good primer less adhesion on many common construction substrates
- Damp surface tolerant
- Low dirt pick up
- Excellent adhesion to a wide variety of substrates
- High movement accommodation
- High UV and aggressive atmosphere resistance
- Compressive color range
- Environmentally friendly
- Excellent low temperature gun ability
- Improved gun and tooling characteristics
- Ideal for expansion joints in buildings

SURFACE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. **METFLEX PU 25** adheres without primers and activators. However, for optimum adhesion and critical, high-performance applications, such as on multi – storey buildings, highly stressed joints, extreme weather exposure or water immersion, pretreatment with primer is recommended on bonding surface.

APPLICATION

Cut tip of **METFLEX PU 25** cartridge/sausage with a sharp knife. Cut the nozzle at 45° angle to desired bead width and apply to substrate with cartridge gun. Firmly extrude the sealant into slot ensuring complete contact with joint faces. Tooling time is 15 minutes, tack free time is 20 – 30 minutes. Application before skin forms to ensure good contact with joint substrates. Use approved backing material for joints over 10mm deep. Uncured sealant can be cleaned up with mineral spirits.

LIMITATION

METFLEX PU 25 should not be used for;

- Areas subject to continuous chlorinated water immersion, such as swimming pool, spa etc
- Constantly immersed in salt water
- PE, PP, Teflon, Neoprene and bituminous surfaces
- Glazing applications
- Painted with alkyd resin paint because it will inhibit the curing of the paint.
- Used in trafficable joints greater than 10mm width
- METFLEX PU 25** may be over painted with water-based paints, however due to the large number of coatings available it is advisable to carry out a compatibility test before application. For alkyd paints, a suitable water-based undercoat must be used.

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TECHNICAL PROPERTIES

PROPERTIES	RESULTS	TEST METHOD
Chemical Base	One Component Hybrid Polyurethane	-
Color	White & Grey	Visual
Density	1.3g/ml to 1.45g/ml	ASTM D 1475
Shore A Hardness	25 – 35	ISO 868
Slump Resistance	Max 2mm	ISO 4254
Tensile Strength	0.4MPa – 1.70MPa	ISO 37
Elongation	500% - 600%	ISO 37
Tear Strength	Approx 7kg/cm ²	ISO 34
Movement Accommodation	25%	-
Max. Joint Width	30	-
Min. Joint Width	10	-
Min. Depth	5	-
Application Temperature	+5°C to +40°C	-
Temperature Resistance		-
Skin Formation	20 – 40 min @ 23°C	-

HEALTH AND SAFETY

Keep out of reach from children. Before handling, read both the product and material safety data sheet for detailed use and health information.

SHELF LIFE

12 (twelve) months from date of manufacturing in unopened packaging.

STORAGE

Store in a cool and dry place at recommend temperature between +5°C to +25°C conditions

PACKING

METFLEX PU 25 is supplied in 600ml aluminium sausage packed in box of 20 pieces and 310ml cartridge packed in 25 pieces

NOTE

The Company's products are sold subject to the Company's standard term and conditions of sale. Products are warranted against defective materials and workmanship. The Company makes every effort to ensure that all the information, recommendations or the specifications provided by it are accurate and true. However, as the company has no control over the conditions of use, it cannot accept any liability, either directly or indirectly regarding the usage of its product. Product specifications are subject to change without prior intimation to users as the products are being continuously upgraded.

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