

ECMASEAL PU 1K

Single component, Polyurethane joint Sealant

Description and Characteristics

ECMASEAL PU 1K is a singles-component, Polyurethane based, moisture-curing multipurpose elastomeric Sealant. It is suitable for Horizontal and Vertical Expansion joints, cracks, Joints In precast elements, external walls and panel wall frame sealing, etc. It conforms to BS 5212, ASTM C-920.

Areas of application

- Vertical and Horizontal Expansion joints/ gaps
- Concrete Floors, Car parks, and Roads
- Concrete Control Joints
- Bridge Decks
- Masonry Expansion joints

Advantages

- Single Component Ready to use
- Excellent adhesion to most cementitious and other substrates
- Faster Curing
- Elongation at Break is Very Good
- Low volatile organic compounds
- Excellent Weather Resistance

Surface Preparation

Before applying ECMASEAL PU 1K, it is important to remove/clean loose particles, dust, oil, and grease from the surface by chipping and washing with suitable equipment such as high-pressure air, water jet, or with wire brush. PU primer can be used for better adhesion. However, ECMASEAL PU 1K can be directly used over prepared & dry surfaces.

Warning

Do not dilute with water or any solvent and do not apply on wet surfaces.

Consumption/ Sausage (600 ml)

Joint Width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint Depth	6 mm	8 mm	10 mm	12 mm	15 mm
Theoretical Coverage	10 mtr	5 mtr	3 mtr	2 mtr	1.3 mtr

Clean-up

Clean the equipment/ tools with solvents like Xylene. Cured Sealant on the equipment/ tools can be scrapped off.

Application Guidelines

Apply ECMAPRIME PU, if the surface is porous.
After drying the primer, apply ECMASEAL PU 1K to seal the expansion joints/ cracks using the appropriate gun slowly to avoid any air entrapment
Apply the sealant continuously with enough pressure to fill joints properly and allow it to cure fully before it is subjected to service/ stresses.

Precautions

Unused material should not be left open
Do not apply if rain is expected within 24 hours

Technical Specification

1. Elongation at break % ASTM D 412	:>350
2. Density at 30°C g/ml	:1.20±0.05
3. Solid Content w/w %	:>90
4. Hardness Shore A after 28 days ASTM D2240	:32±2
5. Elastic Recovery % ASTM D 926	:≥ 70
6. Moment Compatibility %(MAF) ASTM C719	:± 30%
7. Pot life at 30°C (in minutes)	:60

Packaging

Available in 600 ML sausage.

Packaging

Six Months in original unopened sealed condition.

Storage & Handling

The material should be stored in a Cool and Dry shade at temperatures below. Also, Protect it from Direct sunlight. Please avoid stacking containers and handle them carefully during transport.

Safety Precautions

Wear all PPE at the time of application like Safety boots, Safety Goggles, Hand Gloves, and masks, and avoid direct contact with Skin and Eyes. Any direct skin contamination should be washed off immediately with soap and water.

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