

# ECMASEALPU 1K

## Single component polyurethane based moisture cured joint Sealant

### ***Description and Characteristics***

ECMASEAL PU 1K is a single component, Polyurethane based, Moisture Curing multipurpose elastomeric Sealant. It is suitable for Horizontal and Vertical Expansion joints, Joints In precast element, external walls and panel walls frame sealing etc. It conforms to BS 5212, ASTM C-920.

### **Areas of application**

- Concrete Floors for Car park and Roads
- Concrete Control Joints
- Bridge Decks
- Masonry Expansion joints
- Vertical and Horizontal Expansion joints

### **Advantages**

- Single Component Ready to use
- Excellent adhesion most of the concrete
- Faster Curing than most competitive product
- 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, and grease from the surface by chipping and washing with suitable equipment such as high-pressure air, water, or wire brush. PU primer can be used for better adhesion. However, ECMASEAL PU 1K can be directly used over prepared surface.

### ***Warning***

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

### ***Consumption Approx***

Joint Width	10 mm	15 mm	20 mm	25 mm
Joint Depth	6 mtr	8 mtr	10 mtr	12 mtr

### **Cleanup**

Clean the equipment with solvent like Xylene and cured Sealant on the equipment can be scrapped off.



## Application on Material

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- Apply ECMA Prime PU if the surface is porous.
- After Drying Primer Use ECMASEAL PU 1K for expansion joint.
- Apply ECMASEAL PU 1K by gun slowly to avoid any air entrapment.
- Apply the sealant in a continuous with enough pressure to fill properly joints.

## Precautions

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

## Technical Specification

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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 Minutes	: 60

## Packaging

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Available in 600 Ml sausage.

## Packaging

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Six Months in original unopened sealed condition.

## Storage & Handling

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Material should be stored in Cool and Dry shade. Also Protect it from Direct sunlight. Please avoid stacking of containers and handle carefully during transport.

## Safety Precautions

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Wear all PPE's at the of Application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoided with contact of Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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