

## **TECHNICAL DATA SHEET**

**Product Name: MARMOPU-LIQUID**

**Manufacturer :**

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village Rohad, Dis. Jhajjar, Haryana-124501

Marketed By/ Exporter:

MARMO SOLUTIONS PVT. LTD.

Office Address :

MUMBAI: 47A, Ground And First Floor, Parmar Compound, Highway Road, Vile Parle East, Mumbai - 400099

DELHI: WHS, 1/18, 2nd Floor Kirti Nagar, Near Richi Rich, New Delhi - 110 015

Tel. No: +91 11 40586081

Website: [www.marmosolutions.com](http://www.marmosolutions.com)

E-Mail ID: [info@marmosolutions.com](mailto:info@marmosolutions.com)

Office hours: Monday to Saturday (10AM-6PM)

### **1. Product Description:**

MarmoPU-Liquid is a high-performance, zero-yellowing polyurethane system specifically formulated for joint and crack filling in white marble. It consists of a two-component system mixed in a 3:2 ratio by volume (resin: hardener). To ensure a seamless and clean finish, it is always recommended to blend MarmoDry White Tint for a perfect color match with white marble.



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### **Product Features:**

- **Zero-Yellowing:** The formula ensures that no yellowing occurs over time, making it ideal for white marble applications.
- **Two-Component System:** Precise 3:2 mix ratio of resin and hardener ensures optimal performance.
- **Clean Finish:** Provides a smooth, clean, and fine finish, especially when combined with MarmoDry White Tint.
- **Durability:** Offers excellent resistance to weathering, wear, and chemicals.
- **Flexible and Strong:** Provides excellent flexibility and strength for both joint filling and crack repair.

### **Applications:**

- **White Marble Joints and Cracks:** Perfect for filling joints and cracks in white marble without any risk of discoloration.
- **Restoration Work:** Ideal for restoration projects, where achieving a flawless finish is critical.
- **Large Format Stone Installations:** Recommended for larger installations where seamless joints are required.



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### Technical Specifications:

- **Component Type:** Two-component polyurethane system
- **Mixing Ratio:** 3:2 (Resin: Hardener by volume)
- **Color:** Clear (to be mixed with MarmoDry White Tint)
- **Consistency:** Thixotropic liquid
- **Pot Life:** 16-20 minutes at 25°C
- **Initial Cure Time:** 1-2 hours at 25°C
- **Full Cure Time:** 24 hours at 25°C
- **Shore D Hardness:** 70-75
- **Tensile Strength:**  $\geq 20$  N/mm<sup>2</sup> (after 7 days)
- **Bond Strength:**  $\geq 2$  N/mm<sup>2</sup> (on marble surfaces)
- **Elongation at Break:**  $\geq 10\%$
- **Service Temperature Range:** -10°C to +80°C
- **Chemical Resistance:** Resistant to water, oils, mild acids, and alkalis
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available 0.75 KG Resin + 0.5 Kg Hardener set



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### **Application Guidelines:**

#### **1. Surface Preparation:**

- Clean the crack or joint thoroughly using Marmocleaner-Mild mixed in a 1:10 ratio with clean water.
- Allow the surface to dry completely before proceeding.

#### **2. Mixing Instructions:**

- In the resin part of MarmoPU-Liquid, mix MarmoDry-White Tint to match the color of the stone.
- Once the desired color is achieved, mix the resin and hardener in a 3:2 ratio by volume.
- Ensure the mixture is smooth and homogeneous using a mechanical mixer.

#### **3. Application:**

- Apply the prepared MarmoPU-Liquid over the cracks and joints, ensuring that the material covers the area completely to protect it from shrinkage and dust.
- For deeper joints, apply in layers to ensure optimal bonding and coverage.

#### **4. Curing:**

- Allow the material to cure for 1-2 hours before light foot traffic.
- Full curing and mechanical strength is achieved after 24 hours.



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### Storage and Handling:

- **Storage:** Store in a cool, dry place between +5°C and +25°C, away from direct sunlight.
- **Handling:** Wear protective gloves and eyewear during application. Ensure proper ventilation in enclosed areas. Avoid contact with skin and eyes.

### Health and Safety:

- Always refer to the Safety Data Sheet (SDS) for detailed safety instructions.
- In case of skin contact, wash immediately with water. If irritation persists, seek medical attention.

