

## TECHNICAL DATA SHEET

**Product Name: MARMO PU-LIQUID**

**Registered Office:**

MARMO SOLUTIONS PVT. LTD.

( AN ISO 9001:2015 CERTIFIED COMPANY )

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 - 110015

Customer No: +91 11 40586081

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

For any query/feedback

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

CIN : U74140DL2013PTC252178

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

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



### 1. Product Description:

**Marmo PU-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 colour match with white marble.**

**Manufactured by:**

ANAV INDUSTRIES

Address: Khewat No. 1358/1151,

Khatoni No. 1461, Main NH-9, Near Toll Plaza, Village

Rohad, Dis. Jhajar, Haryana-124501

**Marketed By/ Exporter:**

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## 2. 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.

## 3. Applications:

- **White Marble Joints and Cracks:** Perfect for filling joints and cracks in white marble without any risk of discolouration.
- **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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## 4. Technical Specifications:

- **Component Type:** Two-component polyurethane system
- **Mixing Ratio:** 3:2 (Resin: Hardener by volume)
- **Colour:** Clear (to be mixed with MarmoDry White Tint)
- **Consistency:** Thick 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

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## 5. Application Instructions

### 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 Marmo PU-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 Marmo PU-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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## 6.DO'S & DON'TS

### • DO'S

- Ensure cracks and joints are clean, dust-free, and dry before application.
- Do not use the product on white marble.
- Allow the surface to dry completely before applying the product.
- Add white tint to the resin part first to achieve the desired marble colour match.
- Apply the material carefully over cracks and joints, ensuring full coverage.
- Allow the filled area to cure for 1–2 hours before light traffic.
- Allow 24 hours for full curing and mechanical strength.
- Use protective gloves while handling the product.

### • DON'TS

- Do not apply on wet, damp, or contaminated surfaces.
- Do not alter the mixing ratio of resin and hardener.
- Do not mix large quantities that cannot be used within the pot life.
- Do not use the material after it starts to harden.
- Do not expose the filled joints to heavy traffic before full curing.
- Do not allow the mixed material to remain unused in the container for long periods.
- Do not use the product without proper ventilation in enclosed areas.

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## 7. 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..

MARBLE & TILE SOLUTION PRODUCTS

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