MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS

TECHNICAL DATA SHEET

Product Name: MARMOGLASS-LIQUID/GEL

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
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E-Mail: info@marmosolutions.com
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Office hours: Monday to Saturday (10AM-6PM)

1. Product Description:

Marmoglass-Liquid/Gel 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 4:3 ratio by weight (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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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 4:3 mix ratio of resin and hardener by weight 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 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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4. Technical Specifications:

- **Component Type:** Two-component polyurethane system
- **Mixing Ratio:** 4:3 (Resin: Hardener by weight)
- **Color:** Clear (to be mixed with MarmoDry White Tint)
- **Consistency:** Thick liquid/Gel
- **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:** ≥ 20 N/mm² (after 7 days)
- **Bond Strength:** ≥ 2 N/mm² (on marble surfaces)
- **Elongation at Break:** ≥ 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 0.8 KG Resin + 0.6 Kg Hardener

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5. Application Guidelines:

1. Surface Preparation:

• Clean the crack or joint thoroughly using Marmocleaner-Mild mixed in 1:10 ratio with clean water.

• Allow the surface to dry completely before proceeding.

2. Mixing Instructions:

• In the resin part of Marmoglass-Liquid/Gel, mix MarmoDry-White Tint to match the color of the stone.

• Once the desired color is achieved, mix the resin and hardener in a 4:3 ratio by weight.

• Ensure the mixture is smooth and homogeneous using a mechanical mixer.

3. Application:

• Apply the prepared Marmoglass-Liquid/Gel 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**

- Do ensure cracks and joints are thoroughly cleaned and completely dry before application.
- Do add tint (if required) into the resin component before adding hardener.
- Do apply in thin layers for deep cracks to prevent shrinkage or air entrapment.
- Do ensure complete filling and proper levelling for a seamless white marble finish.
- Do allow 1–2 hours before light handling.
- Do allow full 24 hours curing before polishing or heavy use.
- Do use gloves and ensure proper ventilation during application.

- **DON'TS**

- Do not add water, thinner, or solvents.
- Do not mix large quantities at once.
- Do not apply on damp or moisture-laden surfaces (may cause foaming or bonding issues).
- Do not remix or reuse material after pot life has expired.
- Do not expose uncured material to water or heavy traffic.
- Do not polish or grind before full curing (24 hours).

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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.

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