MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS

TECHNICAL DATA SHEET



Product Name: MARMOGEL-EVERCLEAR

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

For any query/feedback

E-Mail: info@marmosolutions.com

CIN : U74140DL2013PTC252178

E-Mail ID: info@marmosolutions.com

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

1. Product Description:

MARMOGEL-EVERCLEAR is a premium two-component, solvent-free epoxy resin adhesive specially engineered for high-performance bonding of natural stone, engineered stone, concrete, ceramics, and various construction substrates. Its advanced weather-resistant formulation delivers exceptional adhesion and long-term durability while maintaining excellent colour stability with minimal yellowing over time.

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2. Product Features:

- Two-Component System easy-to-mix 2:1 by weight ratio of resin and hardener.
- Ideal for white-colour stone application.
- Weather-resistant and UV-stable formulation.
- Minimal yellowing after prolonged exposure.
- Non-sag gel consistency for vertical applications.
- Bonds effectively to slightly humid substrates.
- Excellent water and chemical resistance.
- High mechanical and structural strength.
- Low shrinkage after curing.
- Suitable for interior and exterior applications.

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3. Applications:

- **Joint Filling:** Suitable for filling joints in stone, concrete, and masonry surfaces.
- **Crack Repair:** Ideal for filling and repairing cracks in floors, walls, and structural components.
- **Surface Restoration:** Can be used to repair surface defects in natural stones and other substrates.

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4. Technical Specifications:

- **Component Type:** Two-component epoxy system
- **Appearance:** Smooth gel
- **Colour:** Clear
- **Mixing Ratio:** 2:1 (Resin: Hardener by weight)
- **Packaging:** Available in 1.35 KG Resin + 650 gm Hardener
- **Pot Life: 30-45** minutes at 25°C
- **Initial Cure Time: 6-8** hours at 25°C
- **Full Cure Time:** 24 hours at 25°C
- **Density:** 1.40 ± 0.10 g/cm³
- **Compressive Strength:** ≥ 70 N/mm² (after 7 days)
- **Tensile Strength:** ≥ 25 N/mm² (after 7 days)
- **Flexural Strength: >35** N/mm²
- **Shrinkage:** Negligible
- **Bond Strength (Concrete):** ≥ 15 N/mm²
- **Service Temperature Range:** -10°C to +35°C
- **VOC Content:** Solvent free
- **Chemical Resistance:** Resistant to water, oils, acids, and alkalis
- **Shelf Life:** 24 months in original, unopened packaging

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5. Application

1. Surface Preparation:

Ensure all bonding surfaces are structurally sound and free from dust, oil, grease, loose particles, curing compounds, and other contaminants. Slightly humid substrates are acceptable; however, standing water must be removed before application.

2. Mixing Instructions:

Mix Part A and Part B in a 2:1 ratio by weight until a uniform colour and consistency are achieved. Do not alter the recommended mixing ratio.

3. Application:

Apply the mixed adhesive evenly using a spatula or notched trowel.

Join the components while the adhesive remains workable and provide temporary support where necessary.

4. Curing:

Allow the adhesive to cure completely before machining, grinding, polishing, or exposing the bonded assembly to service loads.

Typical curing time:

Initial Set: 6–8 Hours

Full Cure: 24 Hours at 25°C

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6.DO'S & DON'TS

- **DO'S**

- Do ensure all bonding surfaces are clean, dry, and structurally sound before application.
- Do mix Part A and Part B thoroughly in the recommended 2:1 ratio until a uniform colour is achieved.
- Do use clean mixing tools and containers.
- Do apply the product within its specified working time.
- Do support or clamp heavy stone pieces until adequate curing has occurred.
- Do remove excess adhesive before it hardens.
- Do allow full curing before grinding, polishing, or loading the bonded assembly.
- Do perform a trial application on sensitive stones before large-scale use.
- Do store the product in its original tightly sealed containers.

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- **DON'TS**

- Do not alter the recommended mixing ratio.
- Do not apply on wet, damp, frozen, or contaminated surfaces.
- Do not add solvents, water, or other additives to the mixture.
- Do not use mixed material after the working time has expired.
- Do not disturb bonded components during the curing period.
- Do not expose uncured adhesive to heavy loads or water.
- Do not use below the recommended application temperature.
- Do not return mixed adhesive to the original container.

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7. Storage and Handling:

- **Storage:** Store in a cool, dry place between +10°C and +30°C. Keep away from direct sunlight and moisture.
- **Handling:** Wear protective gloves, clothing, and eye protection when handling the product. In case of skin or eye contact, rinse immediately with plenty of water.

Health and Safety:

- Refer to the product's Safety Data Sheet (SDS) for complete safety instructions.
- Ensure proper ventilation during application and curing. Avoid inhalation of vapours.
- Dispose of leftover material and packaging according to local environmental regulations.

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