MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOPOXY BACKCOAT W

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
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1. Product Description:

Marmopoxy-Backcoat-W is a three-component milky white stain-resistant epoxy backcoating system designed for white natural stones. It includes two parts: epoxy resin and hardener, with the third part being white silica fillers.The system acts as stain resistant barrier and adhesion promoter when used with cement-based adhesives or cement mortar, ensuring strong mechanical bonding during installation. The silica fillers spread after the epoxy application, further enhancing surface coverage and adhesion.

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2. Product Features:

- **Three-Component System:** Comprises epoxy resin, hardener, and silica fillers for optimal performance.
- **Mechanical Bonding:** Promotes strong mechanical bonding between stone and cement- based adhesives or mortars.
- **Stain and Moisture Resistance:** Forms a durable barrier that resists stains and moisture penetration.
- **Silica Fillers:** Spread evenly after epoxy application by roller, enhancing surface coverage and ensuring uniform protection.
- **Versatile Application:** Suitable for various natural stones and any other surfaces.(Boards, metal and cement-based, etc.)

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3. Application:

- **Prepare Surface:** Clean and dry the stone slab, removing all contaminants.
- **Mix Components:** Combine resin and hardener in the recommended ratio (2R:1 H) until uniform.
- **Apply Coating:** Evenly apply the mixture to the stone's back surface with a brush, roller or trowel then spread evenly thick layer of silica fillers.
- **Cure:** Allow the coated stone to dry for 6-8 hours. For best results, wait 24 hours before using the stone for installation with cement-based adhesives or mortars.
- **Inspect:** Check for uniform coverage and touch up if needed.

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4. Technical Specifications:

Components: 3-part system: Epoxy Resin, Hardener, Silica Fillers

Appearance: white mixture after mixing

Resin Density: ~1.25 g/cm³

Mixing Ratio: 2:1 (Epoxy Resin: Hardener) by weight

Pot Life: 30-40 minutes at 25°C

Application Temperature: +10°C to +35°C

Drying Time: 6-8 hours for touch dry at 25°C

Full Cure Time: 24 hours at 25°C

Chemical resistance: stable against

- **Saturated calcium hydroxyl solution (lime water)**
- **Sodium Chloride Solution 10%**
- **Salt water**
- **Ammonium 10%**
- **Soda lye 40%**
- **Hydrochloric acid 10% moderately**
- **Acec acid 10%**
- **Formic acid 10%**
- **Petrol**
- **Diesel oil**
- **Olive oil**

Shelf Life: 12 months in original unopened packaging

Packaging: 6.5 KG kit

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5.DO'S & DON'TS

- **DO'S**

- Do ensure the backside of white marble is completely clean, dry, and free from dust, slurry, mesh glue residue, or cutting oils.
- Do remove loose mesh or unstable backing before application.
- Do apply uniform coating using a brush or roller to achieve the recommended dry film thickness of 1–3 mm.
- Do ensure complete edge coverage to prevent capillary moisture ingress.
- Do allow a minimum of 4 hours drying time before handling; allow up to 24 hours for full cure before fixing.
- Do ensure the stone is fully dry before installation after coating.
- Do ensure aggregates are spread evenly all over the back side of the stone.

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- **DON'TS**

- Do not apply on wet or moisture-saturated marble.
- Do not exceed recommended film thickness; excessive thickness may affect adhesive bonding.
- Do not fix marble before coating has properly dried.
- Do not dilute or mix with solvents or water.
- Do not trap moisture between coated stone and substrate during installation.

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6.Storage and Handling:

- **Storage:** Store in a cool, dry place, away from direct sunlight and heat sources. Keep containers tightly sealed when not in use.
- **Handling:** Use protective gloves, eye protection, and a mask when handling the product. In case of skin or eye contact, wash thoroughly with water. If inhalation occurs, move to fresh air and seek medical attention if breathing difficulties arise.

Health and Safety:

For detailed safety information, refer to the Safety Data Sheet (SDS). Follow local regulations regarding the handling and disposal of chemical products.

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