MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOBACK-COAT

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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1. Product Description:

Marmoback-Coat is a hybrid, flexible, single-component resin with a mineral binder designed specifically for back coating marble. This innovative solution provides exceptional protection against moisture and mineral stains without compromising the bond strength of the marble with adhesives, unlike conventional hydrophobic sealers.

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2. Features & Benefits:

- **Moisture Protection:** Offers excellent protection against moisture, ensuring longevity of the stone.
- **Stain Resistance:** Protects against mineral stains without altering the appearance of the stone.
- **Bond Strength:** Unlike traditional hydrophobic sealers, **Marmoback-Coat** does not compromise the bond strength when used with adhesives.
- **Flexibility:** The hybrid formula allows for flexible movement, preventing cracks and ensuring durability.
- **Ease of Application:** Ready-to-use formulation simplifies application, saving time and labour.

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3. Product Specifications:

- **Composition:** Hybrid resin with mineral binder
- **Application:** Back coating for marble and natural stone
- **Color:** White or transparent (customizable upon request)
- **Specific Gravity:** ~1 .35 - 1.45 g/cm³
- **Consistency:** Viscous liquid
- **Shelf Life:** 12 months from the date of manufacture, stored in unopened original packaging in dry conditions
- **Storage Conditions:** Store in a cool, dry place between 5°C and 35°C. Protect from direct sunlight and frost.
- **Packaging:** Available in 10 kg containers

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4. Application Guidelines:

1. **Surface Preparation:** Ensure the marble surface is clean, dry, and free of dust, grease, or any contaminants.
2. **Mixing: Marmoback-Coat** is ready to use, no mixing is required.
3. **Application:** Apply using a brush, roller, or spray gun evenly on the back of the marble surface. Ensure complete coverage for optimal protection.
4. **Drying Time:** Allow to dry for 2-4 hours, depending on ambient conditions. Full curing may take up to 24 hours.
5. **Subsequent Coating:** If a second coat is required, apply after the first coat has dried.

5. Technical Performance:

- **Dry Film Thickness:** 1 - 3 mm (depending on application)
- **Water Resistance:** Excellent water repellency, tested up to 48 hours of continuous exposure
- **Adhesion Strength:** Compatible with a wide range of adhesives, maintaining full bond strength as tested with C2 adhesive (EN 12004)
- **Flexibility:** Elongation at break: > 100%
- **UV Resistance:** High resistance to UV degradation

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6. DO'S & DON'TS

• DO'S

• Do ensure the backside of 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.

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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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7.Storage and Handling:

- **Handling:** Use protective gloves and eyewear during application. Ensure adequate ventilation in enclosed areas.

- **Inhalation:** In case of inhalation, move to fresh air promptly. If breathing becomes difficult, seek immediate medical attention.

- **Skin Contact:** Wash thoroughly with soap and water. Seek medical advice if irritation persists.

- **Disposal:** Dispose of product and container according to local regulations.

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