MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOBARRIER-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
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:

Marmobarrier-W is a water base, high-performance, hydrophobic stain-repellent impregnation sealer designed to protect natural stone surfaces from water, oil, and stains. It is specially formulated to preserve the original appearance of the treated surfaces without altering the texture, color, or sheen. Marmobarrier-W is suitable for use on marble, limestone, granite, and other porous natural stones.

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2. Product Features:

- **Hydrophobic Protection:** Repels water and oil-based stains, preventing them from penetrating the stone.
- **Teflon-Based Formula:** Ensures long-lasting protection and ease of cleaning.
- **Non-Altering:** Does not change the appearance, texture, or colour of the treated surface.
- **UV Stable:** Protects against UV rays, preventing discolouration over time.
- **Breathable:** Allows moisture vapor to escape, preventing trapped moisture and subsequent damage.
- **Versatile Application:** Suitable for interior and exterior use on a wide range of natural stones.

3. Applications:

- **Stain Protection:** Ideal for kitchens, bathrooms, countertops, and flooring where stone surfaces are exposed to spills and stains.
- **Exterior Protection:** Suitable for outdoor applications on facades, walkways, and patios.
- **General Use:** Provides stain repellence for natural stones such as marble, granite, limestone, sandstone, and other porous stones.

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4. Product Specifications:

- **Appearance:** Transparent liquid
- **Odour:** Mild solvent
- **Base:** Teflon-based hydrophobic formulation
- **Coverage:** 3-10 sqm per litre, depending on the porosity of the substrate
- **Application Temperature:** +5°C to +30°C
- **Drying Time:** Touch dry in 1-2 hours, full cure in 24 hours
- **Service Temperature Range:** -20°C to +70°C
- **Water Repellence:** Excellent
- **Oil Repellence:** Excellent
- **UV Resistance:** High
- **Stain Ratings:** 3-4
- **HMIS Ratings:** Red
- **Viscosity:** Low viscosity, easy to apply
- **Solids Content:** 30%
- **Flammability:** 2
- **Health:** 2
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available in 1L and 4L containers

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5. Application Guidelines:

1. Surface Preparation:

- Ensure the surface is clean, dry, and free of any dust, oil, or previous coatings.
- For best results, clean the surface using a neutral pH cleaner and allow it to dry completely.

2. Application Method:

- Apply **Marmobarrier-W** evenly using a brush, roller, or low-pressure sprayer.
- For highly porous stones, a second coat may be required after 15-20 minutes.
- Wipe off any excess product from the surface to avoid residue buildup.

3. Drying and Curing:

- The surface will be touch-dry in 1-2 hours, depending on temperature and humidity.
- Full protection is achieved after 24 hours of curing.

4. Coverage:

- Coverage will vary depending on the porosity of the stone. For low-porosity stones like granite, coverage can be up to 10 sqm/L, while for highly porous stones like sandstone or limestone, coverage may be as low as 3 sqm/L.

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6. DO'S & DON'TS

- **DO'S**
- Ensure the stone surface is completely dry internally, not just surface-dry.
- Use only neutral pH cleaners for post-application maintenance.
- Always carry out a small test application on an inconspicuous area to check absorption rate, appearance, and compatibility before full application.

- **DON'TS**
- Do not apply on wet, damp, or moisture-affected stone.
- Do not use acidic or alkaline cleaners on sealed surfaces.
- Do not expose treated surfaces to water within the curing period.

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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 and sources of heat.

• **Handling:** Use appropriate personal protective equipment, such as gloves and goggles, to avoid skin and eye contact. Ensure good ventilation during application.

Health and Safety:

• **Precautionary Measures:** Avoid direct contact with skin and eyes. In case of contact, wash thoroughly with soap and water. If ingested, seek medical advice immediately.

• **Disposal:** Dispose of in accordance with local regulations. Do not release into drains or watercourses.

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