MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOFLEX-AQUAGUARD

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

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

1. Product Description:

Marmoflex-Aquaguard is a two-component, high-performance waterproofing system for critical areas like bathrooms, terraces, balconies, and wet zones. It combines powder and liquid hybrid latex resin in a 2:1 ratio, offering superior adhesion, flexibility, and durability on various substrates. For optimal results, apply two coats before mesh reinforcement, followed by two additional coats at corners, using MarmoAqua-Seal Flexible Tape for enhanced waterproofing in corner areas.

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2. Product Features:

- **Two-Component System:** Powder and hybrid latex resin mixed at a 2:1 ratio for optimal performance.
- **High Flexibility:** Adapts to substrate movements, ensuring long-lasting protection.
- **Excellent Adhesion:** Bonds strongly to concrete, masonry, and other surfaces.
- **Waterproofing for Wet Areas:** Perfect for bathrooms, terraces, balconies, and more.
- **Crack Bridging:** Can accommodate minor substrate cracks without failure.
- **Durability:** Provides long-term resistance to water ingress.

3. Applications:

- **Bathrooms and Wet Areas:** Waterproofing under tiles or stone in showers, bathrooms, and kitchens.
- **Terraces and Balconies:** Provides reliable waterproofing under tile or stone coverings.
- **Foundation and Basement Waterproofing:** Protection against water ingress in underground structures.
- **Retaining Walls:** Ideal for areas requiring reliable, long-lasting waterproofing.

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4. Technical Specifications:

Components: Two-component system (Powder and liquid hybrid latex resin)

- **Mixing Ratio:** 2 parts powder : 1 part liquid hybrid latex resin
- **Appearance: Powder:** Grey or white / Liquid: Milky white
- **Density (mixed):** 1.1 - 1.3 g/cm^3
- **Pot Life:** 60 minutes at 25°C
- **Open Time:** 45 minutes at 25°C
- **Application Temperature:** +5°C to +35°C
- **Initial Setting Time:** 4 - 6 hours at 25°C
- **Final Curing Time:** 7 days for full waterproofing properties
- **Crack Bridging Ability:** Up to 1.5 mm

. **Coverage:** 1.5 - 2.0 kg/m² per coat (depending on surface roughness and porosity)

- **Recommended Coats:** Minimum of 4 coats (2 before mesh, 2 at corners)
- **Shelf Life:** 12 months in unopened packaging
- **Packaging:** 20 KG Powder + 10 KG Liquid (Standard kit)

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5. Application Guidelines:

1. Surface Preparation:

• Ensure the substrate is clean, dry, and free of grease, dust, or other contaminants. Dampen the surface with clean water without leaving any standing water.

2. Mixing Instructions:

• Mix 2 parts powder with 1 part liquid hybrid latex resin. Stir the mixture until a homogenous, lump-free consistency is achieved. Use the mixture within 60 minutes.

3. Application Method:

• **First Coat:** Apply the first coat of Marmoflex-Aquaguard using a roller or brush. Allow it to dry for 4-6 hours.

• **Second Coat and Mesh Reinforcement:** Apply the second coat before embedding mesh reinforcement for extra durability.

• **Corner Areas:** Use MarmoAqua-Seal Flexible Tape for corner areas, followed by two additional coats of Marmoflex-Aquaguard.

• **Final Curing:** Allow the final coat to cure for at least 7 days before exposing the surface to water or heavy traffic.

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6.DO'S & DON'TS

• DO'S

• Ensure the substrate is clean, sound, and free from dust, oil, grease, and loose particles before application.

• Lightly dampen the surface with clean water before applying the waterproofing system, ensuring no standing water remains.

• Use the mixture within the pot life of approximately 60 minutes.

• Apply the first coat using a brush or roller and allow it to dry for 4–6 hours.

• Use flexible sealing tape in corners and joints for enhanced waterproofing performance.

• Apply additional coats in corners and critical areas to ensure proper sealing.

• Allow the waterproofing system to cure for at least 7 days before exposure to water or heavy traffic.

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• DON'TS

• Do not apply on dirty, dusty, or contaminated surfaces.

• Do not apply on surfaces with standing water or excessive moisture.

• Do not expose freshly applied coating to water before full curing.

• Do not apply the mixture on completely dry substrates without pre-dampening.

• Do not store the product in direct sunlight or extreme heat.

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7.Storage and Handling:

- **Storage:** Store in a cool, dry place away from direct sunlight and frost. Keep containers tightly sealed when not in use.
- **Handling:** Use appropriate protective gear such as gloves and eye protection when handling the product. In case of skin or eye contact, wash thoroughly with water. If inhaled, move to fresh air and seek medical attention if necessary.

Health and Safety:

- **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.

Refer to the Safety Data Sheet (SDS) for detailed safety information.

Follow local regulations for disposal and personal protection.

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