MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS



TECHNICAL DATA SHEET

Product Name: MARMOLATEX-AC47

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:

Marmolatex-AC47 is a versatile latex designed for use in waterproofing applications and as an admixture for cement mortars. Its advanced formulation enhances the flexibility, adhesion, and overall durability of cement-based materials, making it ideal for applications requiring improved resistance to water and stress.

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2. Product Features:

- **Enhanced Flexibility:** Significantly improves the flexibility of cement mortars, reducing the risk of cracking and increasing resistance to movement.
- **Waterproofing:** Provides excellent water resistance when used in waterproofing systems.
- **Improved Adhesion:** Boosts the adhesion properties of cementitious systems, ensuring a stronger bond to a variety of substrates.
- **Increased Durability:** Enhances mechanical properties, making mortars more durable in demanding environments.
- **Multi-functional Use:** Suitable for use in both waterproofing applications and as a mortar admixture for increased performance.

3. Applications:

- **Waterproofing Coatings:** Ideal for cementitious waterproofing membranes.
- **Cement Mortar Admixture:** Enhances the flexibility, adhesion, and cement mortars for internal and external resistance to cracking in applications.
- **Tile Adhesives:** Improves bond strength and deformability of cementitious tile adhesives.
- **Repairs and Restoration:** Suitable for concrete repairs, patching, and resurfacing.

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4. Technical Specifications:

Property Value: Appearance Milky white liquid

Density : ~1 g/cm³

pH: 9-11

Solid Content : ~39%

Application Temperature: +5°C to +35°C

Flexibility: Significantly improved in modified mortars

Water Resistance: Excellent

Pot Life: 2-4 hours (depending on temperature)

Shelf Life: 6 months in original unopened packaging

Packaging: 1 L, 5L and 20 L containers

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5. Application Guidelines:

1. Surface Preparation:

• Ensure the surface is clean, dry, and free from dust, oils, and loose particles. For best results, slightly dampen the substrate before applying the Marmolatex-AC47 mixture.

2. Mixing Instructions:

• For Waterproofing Applications: Mix Marmolatex-AC47 with cement in a 1:1 ratio (by weight) for a flexible waterproofing slurry.

• For Mortar Admixture: Use Marmolatex-AC47 as an admixture by replacing part of the mixing water with the latex, typically at a ratio of 300ml part Marmolatex-AC47 to 2 parts water.

3. Application Method:

• For waterproofing, apply the mixture with a brush or roller in two coats, ensuring full coverage of the substrate.

• For mortar admixtures, mix thoroughly until a homogenous consistency is achieved, then apply the modified mortar using standard trowel techniques.

4. Curing:

• Allow the applied mortar or waterproofing slurry to cure for at least 24-48 hours, protecting the surface from direct sunlight, wind, or frost during the curing process.

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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.
- Slightly dampen highly absorbent surfaces before applying the Marmolatex-AC47 mixture.
- When used as a mortar admixture, replace part of the mixing water with Marmolatex-AC47 as recommended.
- Mix thoroughly until a smooth and homogeneous consistency is achieved.
- Allow the applied system to cure for at least 24–48 hours before heavy use.

- **DON'TS**
- Do not apply on dirty, dusty, or contaminated surfaces.
- Do not mix the product with any other additives or chemicals.
- Do not apply the mixture on completely dry substrates without pre-dampening.
- Do not expose freshly installed tiles to heavy traffic before curing.
- 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 moisture. Keep the packaging sealed when not in use.

• Handling:

Wear protective gloves and goggles while handling the product.
In case of skin or eye contact, rinse thoroughly with clean water. If inhaled, move to fresh air and seek medical attention if necessary.

• Health and Safety:

Refer to the product's Safety Data Sheet (SDS) for detailed information on safe handling practices, disposal, and health precautions. Follow local regulations regarding product handling and disposal.

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