MARMO SOLUTIONS
MARBLE & TILE SOLUTION PRODUCTS

TECHNICAL DATA SHEET



Product Name: MARMOPOXY 9010

Registered Office:
MARMO SOLUTIONS PVT. LTD.
(AN ISO 9001:2015 CERTIFIED COMPANY)
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1. Product Description:

Marmopoxy-9010 is a two-component, thixotropic, clear epoxy-based joint and crack filler. Designed for precision filling of joints and cracks in coloured stone, concrete, and other materials, it offers excellent adhesion and durability. Marmopoxy-9010 is mixed in a 2:1 ratio by weight and provides a smooth, clear finish. Over time, the product may have low tendency to turn yellow, which is typical of clear epoxy materials.

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2. Product Features:

- **Two-Component System:** Easy-to-mix 2:1 by weight ratio of resin and hardener.
- **Thixotropic:** Non-sagging formula ideal for vertical or overhead applications.
- **Clear Finish:** Provides a transparent finish for an invisible repair, though slight yellowing may occur over time.
- **Excellent Adhesion:** Bonds well to a variety of substrates including concrete, stone, and metal.
- **Durable & Long-Lasting:** High resistance to chemicals, abrasion, and environmental exposure.
- **Versatile Application:** Suitable for both indoor and outdoor use in joint and crack repairs.

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3. Applications:

- **Joint Filling:** Suitable for filling joints in stone, concrete, and masonry surfaces.
- **Crack Repair:** Ideal for filling and repairing cracks in floors, walls, and structural components.
- **Surface Restoration:** Can be used to repair surface defects in natural stones and other substrates.
- **Colouring:** Blend pigment carefully to achieve a precise match with the surface color for a seamless finish.

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4. Technical Specifications:

- **Component Type:** Two-component epoxy system
- **Mixing Ratio: 2**:1 (Resin: Hardener by weight)
- **Viscosity:** Clear (with slight tendency to yellow over time)
- **Pot Life: 45-60** minutes at 25°C
- **Initial Cure Time:** 24 hours at 25°C
- **Full Cure Time:** 7 days at 25°C
- **Application Thickness:** 0.5 mm to 3 mm
- **Compressive Strength:** ≥ 60 N/mm² (after 7 days)
- **Tensile Strength:** ≥ 15 N/mm² (after 7 days)
- **Elongation at Break:** ≥ 3%
- **Bond Strength (Concrete):** ≥ 3 N/mm²
- **Service Temperature Range:** -10°C to +80°C
- **Shore D Hardness:** 75-80
- **Chemical Resistance:** Resistant to water, oils, acids, and alkalis
- **Shelf Life:** 12 months in original, unopened packaging
- **Packaging:** Available in 1.3 KG Resin + 0.65 KG Hardener

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5. Application

1. Surface Preparation:

• Clean the surface thoroughly, removing all dust, grease, oils, and loose materials.

• Ensure the substrate is dry and free from any contaminants that may affect adhesion.

2. Mixing Instructions:

• Mix Marmopoxy-9010 in the specified 2:1 ratio (2 parts resin, 1 part hardener) by weight.

• Stir the mixture thoroughly using a mechanical mixer for 2-3 minutes to achieve a homogeneous blend.

• Use the mixed material within the pot life of 45-60 minutes.

3. Application:

• Apply Marmopoxy-9010 using a spatula or trowel.

• Ensure the material is pressed into joints or cracks, filling them completely.

• For vertical applications, the thixotropic nature of the product prevents sagging.

4. Curing:

• Allow the applied product to cure for at least 24 hours before subjecting it to any loads or further treatments.

• Full mechanical strength will be achieved after 7 days.

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6.DO'S & DON'TS

• DO'S

• Ensure the stone surface is clean, dry, and free from dust, oil, and contaminants before application.

• Clean joints and cracks thoroughly before filling to ensure proper adhesion.

• Stir the mixture for 2–3 minutes using a mechanical mixer until a uniform blend is obtained.

• Apply the epoxy using a trowel for precise filling of joints or cracks.

• Allow the repair to cure for at least 24 hours before applying loads or further treatments.

• Allow up to 7 days for full mechanical strength.

• Press the material firmly into gaps to avoid air pockets and ensure proper bonding.

• DON'TS

• Do not apply on wet, damp, or contaminated surfaces.

• Do not alter the 2:1 mixing ratio of resin and hardener.

• Do not use the product on white marble, as slight yellowing may occur over time;
The product is recommended for coloured stones.

• Do not apply excessively thick layers in one application.

• Do not disturb the filled area before the initial curing time.

• Do not expose the repaired surface to heavy loads before full curing.

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7. Storage and Handling:

- **Storage:** Store in a cool, dry place between +5°C and +25°C. Keep away from direct sunlight and moisture.
- **Handling:** Wear protective gloves, clothing, and eye protection when handling the product. In case of skin or eye contact, rinse immediately with plenty of water.

Health and Safety:

- Refer to the product's Safety Data Sheet (SDS) for complete safety instructions.
- Ensure proper ventilation during application and curing. Avoid inhalation of vapours.
- Dispose of leftover material and packaging according to local environmental regulations.

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