

Evoshine Repair Mortar EP+

Epoxy based repair mortar

Description

Evoshine EP+ is a high-performance, two-component epoxy repair mortar specifically designed to restore and repair concrete surfaces. Formulated with epoxy resin and carefully graded quartz aggregate, it offers exceptional strength, durability, and ease of application, making it an ideal solution for a wide range of concrete repair needs.

Standard Compliance

Complies with standards ASTM D 2471, ASTM D 1640.

Where to Use

1.) Repairing Spalled or Cracked Concrete.
2.) Honeycombed Concrete Repair. 3.) Worn or Damaged Concrete Surface Repair. 4.) Concrete Exposed to Chemicals or Abrasion.

Advantages

- High compressive and mechanical strength.
- Easy to mix & apply.
- Fast curing & impermeable to water.
- Protects the surface from moisture and corrosion.

Technical Data

Type	Epoxy
Flash point	Non-flammable
Packing	Part A (Resin) – 5 Kg Part B (Hardener) – 2.5 Kg Part C (Filler) – 30 Kg
Appearance	Part A (Resin) – Clear Part B (Hardener) – Brown Part C (Filler) – White
Pot life ASTM D 2471	20 - 30 minutes
Water permeability	Nil
Compressive strength	> 50 mPa
Surface dry ASTM D 1640	8 hours

Tack free dry ASTM D 1640	24 hours
Coverage	2 Kg / 1mm / 1 Sqm
Shelf life	12 months

Substrate Requirements

Thoroughly clean the concrete surface to remove any loose debris, dust, or contaminants. Roughen the surface using a wire brush or other mechanical means to enhance adhesion. Laitance should be removed.

Mixing

Combine Part A and Part B and Part C of the epoxy resin in a clean container, stirring continuously until a uniform consistency is achieved. Mix only the amount you can use within the pot life.

Application

To strengthen the bond between the concrete surface and the repair mortar, it is recommended to apply a primer (Swadi – Evoshine EP11) to the substrate before applying the mortar. Using a trowel, spread the mixed mortar onto the prepared surface. Maintain a minimum application thickness of 5mm and a maximum thickness of 50mm.

Important Considerations for SWADI Evoshine Repair Mortar EP+ Application

- Ensure the surface is completely dry before applying the repair mortar. Avoid applying the mortar to any moist or wet surfaces.
- The concrete surface should be at least 28 days old before applying the repair mortar.

Cleaning

Evoshine Repair Mortar EP+ should be cleaned immediately from tools after application, use Swadi® CleanEpoxy solvent. If in case the hardened material can only be removed mechanically.

Shelf Life Storage and Shelf life /Precautions /Disposal /Spillage

For further information please refer to the material safety data sheet.

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Packaging

Evoshine Repair Mortar EP+ is available in a 37.5 kg standard pack, comprising:

- Part A (Resin): 5 kg
- Part B (Hardener): 2.5 kg
- Part C (Filler): 30 kg

Condition of Sale

Sold subject to the Company's conditions of sale which are available on request.

Storage and Handling Guidelines

The product should be stored in accordance with national regulations. It is essential to keep it in a cool, well-ventilated area, away from heat, direct sunlight, sparks, and children. Please note that the product contains flammable solvents, so handle it with care. To ensure proper curing, mix the resin and hardener according to the specified ratio. Once mixed, use the solution within its pot life to avoid premature hardening.

Health, and Safety Information

SWADI Evoshine Repair Mortar EP+ is considered on-hazardous in normal usage; however, avoid contact with eyes or skin. Wear suitable protective dust mask, gloves and safety glasses. In case of contact with eyes, rinse for several minutes under running water.

For further information, please consult the Material Safety Data Sheet (MSDS).

Disclaimer

The information provided in this datasheet is based on our extensive experience and is given in good faith to assist you. However, we reserve the right to update this information at any time without prior notice due to our ongoing research and development efforts. While we guarantee the consistent quality of our products, we cannot be held responsible for any losses or

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Contact Information

For immediate orders or enquires, contact our **24/7 support team at +91 8792919513 or enquiry@swadigroup.co.in**. For additional support options and resources, please visit our website at swadigroup.co.in

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Product Data Sheet

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