

ERM™300

Three-component Epoxy Repair Mortar

PRODUCT DESCRIPTION

ERM™300 epoxy repair mortar is a high strength, trowel applied, three component epoxy resin-based mortar designed for rapid and permanent repairs to damaged concrete surfaces. ERM™300 epoxy repair mortar is a blend of epoxy resin, curing agent and aggregates. The mixed material is applied to a suitably prepared and primed surface, and quickly cures to form a durable repair mortar.

PRODUCT FEATURES

- Three component epoxy resin-based mortar
- Excellent mechanical properties
- High strength and bond strength
- Fast curing characteristics
- Non-shrink characteristics
- Fast, convenient installation

PRODUCT USES

ERM™300 is a suitable repair solution for damaged concrete surfaces.

TECHNICAL DATA

Appearance / Colors	Part A: white paste Part B: gray paste Part C: powder Parts A+B+C mixed: gray
Chemical Base	Epoxy resin
Density (mixed at +25°C)	~1.45 kg/l
Layer Thickness	40 mm max.
Shrinkage	Hardens without shrinkage.
Compressive Strength (7 days)	35 MPa
Mixing Ratio (Parts A:B:C) by Weight	2:1:2
Working Temperature	+10°C min. / +40°C max.
Pot Life @ +25°C	~ 60 min

HOW TO USE

SURFACE PREPARATION

- At the time of application of ERM™300, the substrate should be completely dry, free from dust, greasy matters, paint and laitance.
- To increase adhesion of ERM™300 epoxy repair mortar, prime all areas to be repaired with suitable primer. Ensure that the primer is brushed well into the surface

MIXING

- Mix the ERM™300 hardener (Part B) and resin (Part A) to obtain a homogeneous mix, using a low speed electrical mixer.
- To obtain a uniform epoxy mortar compound, gradually add the graded aggregates (Part C) to the epoxy fluid while mixing for 2 to 3 minutes.

APPLICATION:

Apply ERM™300 epoxy repair mortar with a stainless steel trowel or gloved hand, pressing firmly to ensure bonding.



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HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling epoxy resin mortar to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

CLEANUP

Hardened / cured material can only be mechanically removed.

PACKAGING

Component: A = 10kg, B = 5kg, C= 10kg
Component: A = 20kg, B = 10kg, C= 20kg

STORAGE

12 months after manufacturing date in original unopened packaging when stored in dry conditions; high relative humidity will reduce shelf life. Protect from direct sunshine.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

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