



AEROTM
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

AEROROC EP

High Strength General Purpose Repair Mortar

Description

AEROROC EP is a solvent free, epoxy based repair concrete, which is supplied as three component system and the coarse aggregate in the ratio recommended to be added at site. AEROROC EP provides a quick strong repair for concrete and masonry.

Uses

AEROROC EP is used to repair spalled columns, soffits, gutters, lintels etc., It is also used for repairing of damaged concrete floors, spalled concrete roads and runways. Used to repair damaged concrete kerbs, pipes and precast units, as a bedding mortar for tiles on uneven floors or under corrosive conditions.

Advantages

The product cures rapidly so that repaired areas can be used in as little as 24 hours (depending on temperatures) and it provides better chemical and wear resistance than cement base products.

- Good Workability – Quick and easy to mix and apply
- Good Adhesion – Strong adhesion to steel, concrete and masonry substrates.
- Durability – High chemical and wear resistance.
- Fast Curing – Full cure achieved more quickly than with cement products.
- High compressive and abrasion strength.
- Curing unaffected by humidity
- Impact resistant

Instruction for use

Surface Preparation

Surfaces should be sound, clean and free from loose particle, laitance and all contamination viz. oil, grease etc.

Mixing : **FAIRSCREED R** comprises of three components the resin base, hardener and aggregate which are supplied preweighed in the correct proportions. Pour the hardener into the resin can containing base mix thoroughly in a metal bucket by using a mechanical stirrer until a uniform color is obtained. In this liquid the aggregates are mixed thoroughly until a uniform color is obtained.

Priming : The prepared concrete surface should be primed by the application of **SAFECOTE PRIMER** epoxy resin which should be brushed well so that, it thoroughly wet the surface.

Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Colour	Light Grey
2	Working Life	45 minutes at 30 °C
3	Compressive Strength	70 N/mm ² at 7 days
4	Flexural Strength	20 N/mm ²
5	Bond Strength to concrete	4 N/mm ²
	Temperature Range	
6	During Application	10 °C to +40 °C;
7	In Service	-20 °C to +60 °C.

Application

Before the primer is hardened i.e. within 1 hour of application, the FAIRSCREED R mortar should be applied by tamping and trowelled, in successive layers not exceeding 20 mm in thickness in order to allow full compaction. Finally the mortar should be shaped to the desired profile and troweled to a smooth finish.

Finishing

AEROROC EP is levelled and finished with a steel trowel. The completed surface should not be overworked.

Cleaning

All tools and equipment shall be cleaned immediately after use with SAYO TOOL CLEANER, solvent.

Note

The minimum applied thickness of AEROROC EP is 5 mm.



CONCRETE REPAIRS & STRENGTHENING



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Packing & Coverage

AEROROC EP is supplied in 10 Kg pack consisting of Base, Hardner and aggregates.

A 10 Kg pack will cover an area of approx. 1 m² at a thickness of 10mm.

Shelf Life & Storage

AEROROC EP has a shelf life of 12 months from date of manufacture when kept at a temperature between 5 °C to 45 °C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

Quality Assurance

AERO CONCHEM LLP is a firm of Assessed Capability. The company's quality system conforms to ISO 9001:2008.

Health & Safety

AEROROC EP is no-toxic and non-flammable. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. Full health and safety data are given in Product Safety Data Sheet.

OUR RANGE OF PRODUCTS



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JAN/2017/01

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