

EAMIPAIR FC

Cement-based, Polymer Modified Thixotropic, Cosmetic Mortar for Concrete & Masonry Surfaces

Product Description

EAMIPAIR FC is single component, polymer & fiber modified cementitious mortar for cosmetic, fairing and skimming of concrete and mineral substrates. It contains Hydraulic binders, fillers, polymers, fibers, silica-fume and modifiers that permit the mortar to be applied in a thickness more than 3 mm. The hardened product exhibits an excellent thermal compatibility with concrete and outstanding waterproofing & weatherproofing properties.

Typical Applications

EAMIPAIR FC is specially formulated to be used as polymer modified, high strength, non-sag waterproofing cementitious fairing & cosmetic mortar in:

- Pore sealer, honeycombing and fishing coat upon mineral horizontal, vertical and overhead surfaces prior to application of decorative coatings.
- As fairing and cosmetic coat to repair any surface defects.
- On grade and below grade on concrete and mortar.
- Levelling mortar preparatory to concrete to receive another protective coating.
- Waterproofing & weatherproofing, fairing and cosmetic render up to 3 mm.
- Where exceptional chloride and carbon dioxide resistance is required.
- To provide a uniform surfaces free from defects over repaired areas.
- All similar applications.

Product Features

- Easy to mix and apply.
- Non-sag & non-shrink.
- Excellent resistance to carbonation and water soluble salts.
- Compatible with thermal coefficient of expansion of concrete.
- Excellent abrasion resistance.
- Extremely low permeability ensuring durability.
- Very good resistance to water and waterborne soluble salts.
- Non-toxic and does not contain any harmful ingredients.
- Can be applied on horizontal, vertical and overhead surfaces.
- Excellent resistance to freeze / thaw cycles.
- Excellent adhesion to concrete and masonry substrates.
- Smooth and easily produced cosmetic finish.

Standards

EAMIPAIR FC is formulated to comply with all requirements of DIN EN 998 Part 1: "Specification for mortar for masonry, Rendering and plastering mortar".

Guide for Application

Surface Preparation

All substrates shall be sound, clean free from dust, grease, oil, dirt or any bond inhibiting materials. The concrete substrates shall be saturated with water prior to application but no standing water should be on the substrate.

Technical Properties

Appearance	Grey paste like consistency (mixed materials)
Yield	13.5 Liter/ 25 kg
Specific Gravity (wet)	1.8 - 1.90 at 20°C
Setting Times	Initial setting time is 3 hours and final: 4 hours at 23°C
Compressive Strength (N/mm²)	40 after 28 days
Flexural Strength (N/mm²)	8 after 28 days
Bond Strength to Concrete (N/mm²)	5 after 28 days
Index of Water Vapour Diffusion	mH ₂ O = 120
Index of CO₂ Diffusion	mCO ₂ = 350
Coefficient of Thermal Expansion	11 x 10 ⁻⁶ per °C.
Mixing Water	5 - 6 Liters / 25 kg

Mixing

EAMIPAIR FC shall be thoroughly mixed using mechanical mixing procedures using spiral paddle in a slow speed (400 - 500 rpm). Heavy duty drill is recommended.

Put the exact amount of water (5 - 6 Liters) into a clean vessel and gradually add the product while mixing. Continue mixing till homogenous paste like free from lumps is achieved.

Application

Apply the mixed materials during the open time to the prepared substrates using gloved hand or trowel or pump (spray application). After filling and repair screed off excess EAMIPAIR FC.

Mixing, placing and finishing shall be during the open time.

The applied materials can be finished using a float damp sponge to achieve the desired surface texture. The completed surfaces should not be overworked.

Curing

EAMIPAIR FC is a cement-based material, ACI recommendations shall be followed during the application and curing.

Cleaning

All equipment & tools should be cleaned with water after work immediately. Hardened materials should be removed mechanically.

Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied.

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Packaging

EAMIPAIR FC is supplied in well-sealed 25 kg sacks.

Storage

EAMIPAIR FC shall be stored in normal conditions away from any extreme temperatures or any source of moisture.

Shelf Life

One year if stored properly in its original well closed container.

Health & Safety

- EAMIPAIR FC is non-toxic, non-hazardous during handling, storage and use, but dust mask and gloves are recommended.
- For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix the tow components and wait till hardening and then burry it in landfill in accordance with the National regulations.
- Splashes on skin will be washed with water and soap.

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