

EAMIPAIR CP

Polymer Modified Cementitious Structural Repair Mortar

Product Description

EAMIPAIR CP is a two parts polymer modified cementitious mortar designed for use as a concrete repair mortar. It is specially formulated by state of the art latex technology, which provides excellent durability under severe weather conditions as well as protection against ingress of water and various chemicals. EAMIPAIR CP is easy to patch with high workable consistency. It provides a high abrasion resistant patch and better adhesion to substrate than standard one part cementitious mortar. Its coefficient of thermal expansion is similar to that of substrate concrete to ensure thermal compatibility.

Typical Applications

For horizontal & vertical concrete structural repair & resurfacing:

- Bridges, retaining walls, against deicing salts.
- Parking decks, curbs and gutters.
- Marine structures and concrete docks.
- Levelling floors, joint edges, pavement and walk ways.
- Filling honey combings and construction joints.
- Rendering of water reservoirs and sewage structures.

Product Features

- Provides a high strength & wear resistant patch.
- Excellent durability under freeze/thaw cycling.
- Compatible with concrete in eliminating any thermal cycling problems.

- Waterproofing properties to prevent penetration of water and chemicals for a good substrate protection.
- Excellent bond to properly prepared sound concrete.
- Easy to use two part system.
- Suitable for both indoor and outdoor use.

Important Recommendation

- Should not be applied in temperatures less than 5°C.
- Maximum thickness per layer is 20 mm on soffits, 25 mm on verticals.
- For higher thickness apply on multi layers or use form work if needed.

Guide for Application Surface Preparation

Concrete surfaces must be clean and sound, remove all unsound surface material by chipping shot blasting, brush hammering or scrubbing. All dust, dirt and debris must be blown off with water and compressed air or vacuumed to produce a clean surface. Do not apply over oil contaminated concrete. All bonding surfaces must be clean, sound and profiled from all curing membranes, urethanes and coatings must be completely removed for good adhesion.

Priming

Pre-wet all concrete surfaces before bond coat application. Allow water to saturate the surface, but remove any free standing water before bond coat. Apply a slurry coat using a mixture of part A and B at the ratio 1:3 by volume as a primer. Do not apply patch over dried out primer. Keep primer coat moist or re-apply if it dried out.

Technical Properties

Appearance	Grey
Compressive Strength	Tested in accordance with ASTM C 109 7 days (30 N/mm ²) and 28 days (45 N/mm ²)
Density	Component A = 1.02 kg/Liter /Component B = 1.25 kg/Liter / Mixed A+B = 2.00Kg/Liter
Flexural Strength	Tested in accordance with ASTM C 348, 28 days 11N/mm ²
Bond strength	3 N/mm ² (failure in concrete).

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Mixing

Pour the liquid component part A in a mixing container then slowly add the dry powder part B while continuing to mix the materials together. Stir thoroughly for about three minutes, till you reach a homogeneous consistency. For deep patches add up to 10 kg of clean washed 8 mm gravel to 25 kg pack.

Application

Place material into the area being repaired. Finish matching the surrounding concrete surface. Clean tools immediately after use in warm water.

Finishing

Finishing is optional and dependent on desired surface texture. In many cases the texture after initial floating is acceptable as it is. For additional surface texture, profile the surface with a broom after the patching materials starts to set. For repairs where a smooth surface is desirable, the surface may be trowelled.

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. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material.

Curing

Proper curing procedures are important to ensure the durability and quality of the repair. Under hot or windy conditions, a moist cure should be maintained for 24 hours, or cured with EAMICURE P.

Yield

The approximate yield per 25 kg pack two parts will reach 13 litres.

Packaging

EAMIPAIR CP is supplied in two parts (25 kg) pack.

Storage

EAMIPAIR CP should be stored in non humid shaded areas.

Shelf Life

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

Cleaning

Spillage of EAMIPAIR CP can be removed with water.

Health and Safety

- EAMIPAIR CP is non-flammable and non-toxic.
- Avoid contact with skin & wash any splashes with water.
- Seek medical assistance in case of contact with eyes, after washing it with running water.

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