

Polymer-modified cementitious repair mortar

DESCRIPTION

DUCON Repair Mortar is a single-component, polymer-modified cementitious repair mortar designed for thin-section repairs and fairing of concrete surfaces. It provides excellent adhesion, low shrinkage and a smooth, durable finish, making it suitable for repairing surface defects, honeycombs, pinholes and other minor imperfections on concrete and masonry substrates.

RECOMMENDED USE

- Minor concrete and masonry repairs
- Filling pinholes, honeycombs and blemishes
- Fairing and smoothing surfaces
- Repair of precast elements
- Repair of beams, columns and plaster
- Cosmetic repair of fair-faced concrete
- Surface preparation before coatings and painting

FEATURES AND BENEFITS

- Single-component
- Polymer-modified
- Excellent adhesion
- Shrinkage compensated
- Smooth finish
- Low permeability
- Freeze–thaw resistant
- Durable repairs

PRODUCT INFORMATION

Compressive Strength	45 MPa @ 28 days
Flexural Strength	~6 MPa@ 28 days
Coverage	~15–16 m ² / 25 kg @ 1 mm
Bond Strength	>1.5 MPa
Water / Powder Ratio	5–6 L / 25 kg
Pot Life	~30 min@ 25°C
Shelf Life	12 months
Packaging	25 kg bag

Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

Ducon Polymer Flooring (DPF)

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APPLICATION PROCEDURE

General

DUCON Repair Mortar shall be applied in accordance with the recommended application guidelines by trained personnel.

Surface Preparation

Ensure the substrate is structurally sound, clean and free from dust, grease, oil, curing compounds and other contaminants. Remove all loose materials and pre-soak the surface with clean water for 2–4 hours before application. Remove any standing water prior to placing the mortar.

Mixing Procedure

Mix 25 kg of DUCON Repair Mortar with 5–6 L of clean water using a slow-speed mixer for approximately 3 minutes until homogeneous consistency is achieved. Maintain the recommended water-to-powder ratio for partial mixes.

Application

Apply the mixed mortar using a steel trowel, ensuring all pinholes, honeycombs and surface defects are completely filled. Allow the mortar to partially set before final finishing. If required, lightly dampen the surface and finish using a sponge or steel trowel to achieve a smooth appearance.

Curing

Protect the repaired surface from rapid drying and cure appropriately to ensure optimum strength and durability.

Storage

Store in the original unopened packaging in a cool, dry place, protected from moisture, direct sunlight and extreme temperatures.

Precautions

Wear suitable PPE during application, avoid contact with eyes and skin, do not inhale dust during mixing, and refer to the SDS/MSDS before use.

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