DRI-PATCH CM-50

High performance, flexible adhesive & patching mortar

2-component, polymer modified mortar adhesive and repair mortar. Specifically designed to have a balance between flexibility & mechanical strength with higher bonding strength compared to standard patch repair mortars.

Commonly used as to patch up blowholes/pinholes and patching mortar reservoir resurfacing mortar, precast concrete edge repair works or concrete repairs, thin layer surface re-profilling mortar, tilling, fixing slip bricks, tiles or tiles pointings.

FEATURES/BENEFITS

- ✓ Damp/Dry application
- ✓ Easy to mix & apply
- ✓ Moisture tolerant & flexible
- ✓ Ultra-high bond strength
- ✓ Protective coating
- ✓ Water resistant
- ✓ Fast curing
- ✓ Good mechanical strength

APPLICATION AREAS

- ✓ Surface honeycomb or patch repair mortar
- ✓ Resurfacing mortar for reservoir
- ✓ Tile on tile application
- ✓ Tile/EIFS/ cement fibre board adhesives
- ✓ Patching of holes, void filling
- ✓ Joint filling & crack sealing
- ✓ Joint & crack edge repair

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Product Data

Appearances / Colors	A+B mixed: Grey
Packaging	25kg set
Storage	12 Months from date of production
Storage Condition	Dry conditions at Temperature between 5-35 °C

General Information

Origin	Polymer modified cement mortar
Density	~2.1kg/l at +23 °C

Technical Data

Description	**28 days**	
Compressive Strength (N/mm^2)	>40	
Flexural Strength (N/mm^2)	>10	
Tensile strength (N/mm^2)	>3.0	Substrate cohesion failure

SUBSTRATE

New concrete should be cured for at least 28 days and should have a Pull off strength ≥ 1.5 N/mm^2. Cement or mineral based substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and to achieve an open textured surface. Loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed.

Concrete, mortar, stone, bricks: Substrates must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, old surface treatments or coatings and all loose or friable particles must be removed to achieve a laitance and contaminant free, open textured surface. Steel: Must be cleaned and prepared thoroughly to an acceptable quality i.e. by blast cleaning and vacuum. Avoid dew point conditions. Steel substrates must be de-rusted similar to Sa 2.5.

MIXING

Mix parts A(liquid)+B(powder) (Ratio by weight A:B = 1:0.5 to 1:1, depends on the desired consistency or performance) together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 500 rpm) until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Dispense the mixture into a clean container and mix for another 1 minute at low speed. Mix only that quantity which can be used within its pot life.

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APPLICATION

Firmly press ***DRI-PATCH CM-50*** onto concrete with a twisting action to ensure complete material bed of the required thickness (usually 6 to 10mm). Thicker beds should be supported for 12 to 48 hours, to prevent slipping.

Adhesive

When using a thin layer adhesive, apply the mixed adhesive to the prepared surface with a spatula, trowel, notched trowel, or with hands protected by gloves. Use formwork when applying as a repair mortar.

Bonding layer or splatter coat

Apply thin layer with trowel by firmly pressing the notch trowel onto existing substrate.

Resurfacing / Patch mortars

DRI-PATCH CM-50 can be trowel or spray onto vertical surfaces: depending on the thickness applied (not more than 5 mm per coat). Once hardened, check the adhesion by tapping with a hammer.

TOOLS

Clean tools immediately with suitable solvent based cleaner.

LIMITATIONS

The thickness of the mortar depends on the part b. if thickness more than 10mm per application is required please proceed with ***DRI-PATCH CM 60***.

Practice good curing practice of the cured mortar.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.