



DRI-PATCH CM80

Single-component, polymer-modified structural repair mortar

Pre-packed, single-component structural repair material, which requires only the addition of water on site. Shrinkage-compensated property allows it to be used for large and small area applications.

FEATURES/BENEFITS

- Non-shrink (shrinkage compensated)
- Pre-packaged material that requires addition of water only
- High tensile and flexural strengths
- Anti-carbonation
- Anti-chloride
- Low water permeability

APPLICATION AREAS

- Spalling and damaged concrete repair
- Preserving or restoring passivity
- Overhead, horizontal or vertical concrete or mortar surfaces
- Bridges, infrastructure & buildings
- Surface repairs, e.g. exposed aggregates, tie-holes in formwork concrete, old-to-new concrete joints, protruding steel, etc.

PRODUCT DATA

Packaging	25 kg bag
Storage	12 months from date of production
Storage Condition	Store properly in original, unopened, and undamaged sealed packaging on pallets in dry conditions at temperatures between 5 – 35 °C. Protect from direct sunlight, rain and water.

TECHNICAL DATA

Origin	Cementitious blend
Fresh Weight Density	2000 – 2300 kg/m ³
Setting Time	2 – 5 hours
Slant Shear Bond	23 N/mm ² (28 days) BS 6319
Compressive Strength	1 day: ~25 N/mm ² 28 days: ~53 N/mm ²
Flexural Strength	9 N/mm ² (28 days)
Tensile Strength	3 N/mm ² (28 days)

APPLICATION CONDITIONS

Mixing	2.5 – 3.0 litres clean water per 25 kg bag
Yield	Approximately 12 L per 25 kg bag (depending on water addition)
Thickness	Min. 5mm

SUBSTRATE

Substrate shall be free from laitance, plaster, any contaminated material, loose particle, oil, paint, grease, harmful substances, etc. Smooth surfaces should be mechanically roughened by scrubbing or needle gun to form a good mechanical key. All reinforcing steel must be grit blasted to a profile of SA 2 ½ prior to the application of recommended primer.

Edges of the repair areas must be saw cut to 5mm & blow out all loose dust with dry, oil free compressed air.

All surfaces should be primed prior to repair. Reinforcing steel is recommended to be primed with galvanized protective coating or epoxy system which will prevent further corrosion. All concrete should be thoroughly soaked but leaving no surface water (saturated surface dry). Surfaces should be primed with a suitable primer accordingly (please contact Dritech Chemicals for more information).

MIXING

Ensure Dri-Patch CM80 is thoroughly mixed prior to use. It is essential that quantities of one bag or more are mixed in a forced action pan mixer or with a slow speed drill (500rpm) fitted with a spiral paddle. For normal applications, 2.5 – 3.0 litres of clean water should be added to 25 kg bag.

APPLICATION

For applications to all surfaces, Dri-Patch CM80 is applied with wood float to ensure positive contact with the substrate and initial application should be with tamping or compacting action.

Finishing can be wood float, steel trowel or sponge finish depending on the requirement. Curing should be done immediately after finishing in accordance with good concrete practice.

The minimum layer thickness is 5mm, and it may be built up to 20 – 25 mm on vertical surfaces.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

LIMITATIONS

- Dri-Patch CM80 contains cement powder, which may be harmful to sensitive skin. In case of contact with eyes, rinse with water immediately and seek medical advice.

HEALTH & SAFETY

For information & 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.