



Cro Fix

Technical Data Sheet | Product ID 201

Cement-based, high-quality, ready-mixed, multipurpose, tile adhesive mortar.

Characteristics

Cro Fix is a high-quality, cement-based, ready-mixed, multipurpose adhesive mortar in powder form for fixing ceramic and mosaic tiles. It requires the addition of water on site.

Cro Fix can be applied in thin or thick bed technique and is ideal for fixing floors and wall tiles especially in wet areas such as bathrooms, shower rooms and kitchens, in private and public buildings.

Cro Fix is suitable for fixing marble, ceramic and mosaic tiles, thin bricks, floor tile with pronounced back-surface pattern to different substrates such as concrete, cement-based plastered walls and floor screeds, gypsum and cement plasterboards, block walls and lightweight blocks. For extreme conditions, Cro Fix may be mixed with Cro Bond 65.

Composition

Cro Fix is manufactured from carefully selected raw materials which include a blend of special high-strength hydraulic binders, selected well-graded fillers, and special additives to enhance workability and bonding characteristics.

Standards

Reference standard for product assessment: DIN 18156 & ANSI 118.1 and EN 12004 C1 standards.
Verification by CroChem product testing is pending.

Advantages

Easy to use and apply. Only requires the addition of water on site for ease of use.

Raw materials are selected according to the highest quality control standards.

Controlled mixing ratios and a homogeneous blend.

Excellent mixing and workability characteristics.

Part of CroChem's complete wet-area systems.

Easy preparation and application provide high productivity.

Excellent bonding characteristics to plastered substrates and fair-faced concrete.

Long open time and Initial Setting Time.

Technical Data

Property	Value or conditions
Base	Portland cement, graded clean silica sand, and selected additives.
Available Colors	Gray and white.

DISCLAIMER: While the company guarantees its products against defective materials, our recommendations are based on extensive research as well as practical experience. Results cannot be guaranteed where the actual application work is beyond our control. Customers must carry out their own investigations and test the suitability of our materials for their intended purposes. Kindly note that this data sheet supersedes any previous prints. For any additional information, please consult our technical marketing department.



Property	Value or conditions
Application Thickness	From 2 mm up to 10 mm.
Powder Density	Approx. 1.8 kg/lit.
Open Time	Approx. 25 minutes at 25 °C.
Adhesive strength	Approx. 0.5 - 1.0 N/mm ²
Initial setting time	Approx. 120 minutes at 25 °C.
Time to traffic	24 hours
Packing	25 kg bag 20 kg Bag
Mix Proportion	Approx. 5.25 ±0.25 liters of water / 25 kg bag Approx. 4.25 ±0.25 liters of water / 20 kg bag
Coverage	3 – 5 kg/m ² (Coverage rate may vary depending on surface condition, the type of trowel used and setting practices).

Typical reference values, pending verification by CroChem testing.

Coverage is approximate and varies with substrate condition, application thickness and site conditions.

Surface Preparation

Cement-based walls and screeds should be left to cure for at least 14 days prior to application of Cro Fix. Depressions up to 5 mm depth can be repaired with Cro Fix the day before.

Rough or uneven concrete surfaces should be made smooth to provide a wood float finish. All substrates should be in a sound condition.

All substrates should also be clean and free from any loose particles, dust, oil, grease, curing agents, or paint. Tiles to be fixed should be clean and free from any surface contamination.

Tiles that will be fixed should be clean and free from any surface contamination. If surface is dry and in hot weather, pre-wet the surface prior to the application of Cro Fix.

Application Procedures

The whole contents of the bag should be mixed together with water, in one container using a hand drill equipped with a mixing blade or a high-shear stationary mixer. Ask for our range of site mixers.

Small quantities may be mixed manually with a trowel or other suitable hand tools.

Add the quantity of fresh, cool, clean water specified in the technical data table in a deep container. Then, add the contents of the bag gradually while mixing until the mixture is uniform and free of lumps. Leave the mixed material for 10 minutes and remix for one minute.

Cro Fix should be applied while the mortar is fresh and workable (within Initial setting time).

Apply Cro Fix to the prepared surface using the flat side of the trowel while pressing firmly into the prepared substrate.

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Use a suitable notched trowel to ensure full bedding of the tile with 2–3 mm minimum uniform thickness. Spread Cro Fix in areas not more than 1.0 m².

Press tiles firmly into place and gently adjust the level by twisting slightly within 15 minutes ensuring proper transfer of 85% of the mortar to the back of the tiles.

Leave tiles to dry for at least 24 hours before starting grouting. Use Cro Grout G13 G13 or G14 according to joint width.

Important Notes

Do not apply Cro Fix on movement joints or on dynamic cracked plastered walls. Expansion joints should be included as per the substrate design and carried out through tiles applications.

Using cold water for mixing extends the initial setting time and improves workability.

Use Cro Fix White when fixing white or light-colored tiles.

Porous surfaces such as gypsum plasterboards should be sealed with Cro Seal prior to tile installation using Cro Fix.

Do not apply Cro Fix on metal surfaces.

Use plastic spacers to leave the required joint width around each tile according to pattern and architectural recommendations. Leave 2 mm minimum joint width around tiles.

Cro Fix is not a replacement for waterproofing membranes. Use Cro Proof 505 or Cro Proof 507 when waterproofing membrane is required.

Storage

Shelf life is 12 months from the manufacturing date when stored in a dry, covered area.

Health and Safety

While using the product, wear gloves and goggles. Wash skin or eye splashes with clean water. Seek medical advice if irritation persists.