

Cro Fix Premium

Technical Data Sheet | Product ID 202

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

Characteristics

Cro Fix Premium is a cement-based high-quality, polymer-modified, ready-mixed, flexible, thin-set tile adhesive mortar in powder form. Cro Fix Premium requires the addition of water on site.

Cro Fix Premium is ideal for fixing floor and wall tiles especially in submerged areas such as swimming pools, water tanks, kitchens, bathrooms, shower rooms and where heavy traffic is present in private and public buildings. Cro Fix Premium is also ideal for fixing ceramic tiles on external facade plastered walls.

Cro Fix Premium is suitable for fixing marble, porcelain, ceramic and mosaic tiles, thin bricks up to 50 kg/m² weight. The suitable substrates are concrete, cement-based plastered walls and floor screeds, gypsum and cement plasterboards, block walls and lightweight blocks. Cro Fix Premium can also be used for fixing new tiles on old glazed ceramic wall and floor tile.

Composition

Cro Fix Premium 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, flexibility and bonding characteristics.

Standards

Reference standard for product assessment: DIN 18156 & ANSI 118.4 and EN 12004 standards class C2TE. 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.

Exact mixing ratios and homogeneity of the 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 different construction materials.

Excellent water and sag resistance.

Flexible. Very good resistance to substrate vibrations.

Temperature resistance from -15 °C to +70 °C.

Long open time and Initial Setting Time.

Technical Data

Property	Value or conditions
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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
Base	Portland cement, graded clean silica sand, and selected additives.
Available Colors	Gray and white.
Application Thickness	From 2 mm up to 10 mm.
Powder Density	Approx. 1.8 kg/lit.
Open Time	Approx. 35 minutes at 25 °C.
Initial setting time	Approx. 120 minutes at 25 °C.
Adhesive strength	Approx. 1.0 - 1.6 N/mm ²
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 before applying Cro Fix Premium. Depressions up to 5 mm deep can be repaired with Cro Fix Premium 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.

If the surface is dry and in hot weather, pre-wet prior to the application of Cro Fix Premium without leaving excess water.

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.

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Add the quantity of fresh, cool, clean water specified for the selected pack size in the technical data table to a deep container. Gradually add the powder while mixing until the mixture is uniform and free of lumps. Leave the mixed material for 10 minutes, then remix for one minute.

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

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

Use a suitable notched trowel to ensure full bedding of the tile with 2–3 mm minimum uniform thickness. Spread Cro Fix Premium 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 according to joint width.

Important Notes

Do not apply Cro Fix Premium 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 Premium White when fixing white or light-colored stone.

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

Do not apply Cro Fix Premium on metal surfaces.

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

Cro Fix Premium 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.