

Cro Grout G13

Technical Data Sheet | Product ID 205

Cement-based, high-quality, ready-mixed, colored mortar for grouting narrow tile joints.

Characteristics

Cro Grout G13 is a cement-based high-quality, polymer-modified, colored decorative mortar for grouting narrow tile joints in powder form. Cro Grout G13 requires the addition of water on site.

Cro Grout G13 is ideal for internal and external applications. It provides smooth, dense and durable grout for wall and floor tile joints for narrow joints up to 5 mm width.

For extreme conditions, Cro Grout G13 may be mixed with Cro Bond 65 diluted with water at 1:4 mixing ratio. Where antibacterial properties are required and where high humidity is encountered, mix Cro Grout G13 with Cro Seal 44. Cro Seal 44 replaces all mixing water; use the quantities in its technical data sheet.

Composition

Cro Grout G13 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, water retention, adhesion and color stability against UV exposure and resistance to extreme weather conditions.

Standards

Reference standard for product assessment: ANSI 118.6 standards. Verification by CroChem product testing is pending.

Uses

Cro Grout G13 is used for grouting narrow joints for ceramic, porcelain, marble and tile joints in the following applications:

Wall and floor tiles in wet areas such as shower rooms, bathrooms, kitchens, balconies.

Wall and floor tiles in water structures such as swimming pools, water reservoirs and water treatment plants.

Floor tiles in private and public buildings where heavy traffic is present.

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.

Available in a wide range of uniform colors.

Part of CroChem's complete wet-area systems.

Easy preparation and application provide high productivity.

Excellent bonding characteristics.

Excellent resistance to extreme weather conditions.

Extreme temperature resistance from - 20 °C to +70 °C.

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.

Technical Data

Property	Value or conditions
Base	Portland cement, graded clean silica sand, and selected additives.
Available Colors	Available in a wide range of standard colors
Application Thickness	Up to 5 mm.
Powder Density	Approx. 1.2 kg/lit.
Open Time	Approx. 30 minutes at 25 °C.
Initial setting time	Approx. 60 minutes at 25 °C.
Time to traffic	24 hours
Packing	20 kg paper bag 5 kg plastic pack
Mix Proportion	Approx. 6 ±0.2 liters of water / 20 kg bag Approx. 1.5 ±0.2 liters of water / 5 kg bag
Coverage	$C = [(L + W) / (L \times W)] \times E \times H \times K$: consumption (kg/m ²). L, W: tile length and width (mm). E: joint width (mm). H: actual filling depth (mm). K: estimated consumption factor = 1.8. Calculation assumptions: 5 mm filling depth; factor 1.8; no wastage allowance. At 3 mm joint width: approximately 37 linear m/kg; at 6 mm: approximately 18.5 linear m/kg. These are estimates pending practical verification. Actual consumption varies with joint dimensions, tile geometry and application losses.

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

Surface Preparation

Before starting grouting applications, remove tile spacers. Joints to be grouted should be free from dust. Pre-wet the joints prior to the application of Cro Grout G13 14 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.

Add fresh, cool, clean water in a deep container as per TDS. Then, add the contents of the bag gradually and mix for two minutes, allow to stand for approx. 3 minutes, and then remix to ensure a uniform and lump-free mixture is obtained. The mixed materials may be used during its Initial Setting Time.

Apply Cro Grout G13 with a rubber float holding the float at a 45° angle. Apply with downward pressure ensuring that joints are completely filled. Remove excess materials using rubber float by skimming off in a diagonal direction from the tile surface.

Wait approx. 10–15 minutes or until joint grouting mortar begins to stiffen.

Clean freshly grouted tiles with a damp sponge.

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Once the grout is dry, remove any residual film from the tile surface with a soft cloth.

Important note

Differences in the absorbency of the ceramic tile edges, excess water used in mixing or cleaning of grout, different drying rate and moisture level in the surface can lead to discoloration and color variances in the grout joints.

Storage

Shelf life is at least 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.