

DESCRIPTION

CRMX[™] Grouting Agent is a special formulation of advanced polymers and modifiers designed for use as a bonding agent for cement fillers and other cementitious grouting agents to fill small voids and surface deviations when polishing concrete floors.

CRMX[™] Grouting Agent is a milky-white liquid with a viscosity slightly higher than that of water. It is a non-hazardous, non-corrosive and non-combustible chemical formulation.

USES

In a bonding slurry coat

- To adhere new slurry coat to existing concrete
- To bond thin polymer screeds or toppings to substrate
- To bond cementitious overlays to dense substrates.

For dry screeds

- To provide an economic floor filler where a higher resistance to wear, abrasion, impact, dusting is required.
- To improve resistance to mild chemicals.

In a render key coat

- To provide a mechanical key prior to rendering on dense or smooth materials such as soft concrete floor substrates.
- To provide a keyed surface of uniform texture on surfaces with varying absorption rates.

For modifying renders

- To allow effective use of thinner renders.
- To reduce shrinkage and dusting.
- To increase durability, flexibility, and weatherproofing.

For patching and repair mortars

- For internal and external repairs to floors, roads, paths, etc.
- For repair to spalled and damaged concrete.

As an admixture for CRMX[™] Refining Agent

- **CRMX[™] Grouting Agent** is a necessary component recommended for use with the **CRMX[™] Polishing System**.

FEATURES/BENEFITS

- ✓ Unaffected by ultraviolet light or contact with water, providing good durability under all conditions during maintenance.
- ✓ Improves the workability of grouting mixes, aiding ease of application during the trowel-down process
- ✓ Improves all physical characteristics of cementitious mixtures, therefore increasing resistance to wear and weather

COVERAGE

	CRMX [™] Grouting Agent/Potable Water (by Volume)
Bonding slurry coats	1/0
Key coats	1/1
Renders	1/3
Repair mortars	1/1
Dry screeds	1/2

As an admixture for CRMX[™] Polishing System

	CRMX [™] Grouting Agent/Potable Water (by Volume)
CRMX [™] Surface Refining Agent	1/1
CRMX [™] Densifier	1/1
CRMX [™] Polished Concrete Floor Cleaner	1/1

Packaging

5 Gallon Buckets
55 Gallon Drums

APPLICATION

Do not apply mixes modified with **CRMX[™] Grouting Agent** to frozen substrates or if the ambient temperature is below 35°F or expected to fall below 35°F within 24 hours.

Do not use **CRMX[™] Grouting Agent** where the application is likely to be in prolonged contact with hydrocarbons such as fuel oils, diesel oil, and petrol.

Enhanced Modified Grouting Coats

Blend ordinary Portland cement into **CRMXTM Grouting Agent** and mix with a trowel or paddle mixer attachment in a slow speed drill (400-600 rpm) until a smooth lump-free slurry is produced. Do not over mix. Apply the mix only to a clean, prepared, sound surface which has been pre-dampened but has no free standing water. Work the slurry well into the surface with a brush or broom and immediately follow with a rubber squeegee or flat bladed steel trowel.

Do not allow the slurry to dry out during application. Apply the mortar/concrete whilst the slurry is still wet.

Dry Screeds

Mix 1 part of Portland cement with 3 parts of screeding sand. Prepare mixing liquid comprising 1 part of **CRMXTM Grouting Agent** to 2 parts of water. Mix the materials together to the required consistency. Do not over mix. Apply and cure screed according to local specifications and site practice. **CRMXTM Grouting Agent** will aid the curing of the grout or filler coat, prevent drying shrinkage and stop dusting.

In a Render Key Coat or Slurry Coat

Mix **CRMXTM Grouting Agent** and water until a slurry consistency is obtained. Do not over mix.

Ensure that the surface has been prepared to a clean, sound condition, free from any surface coating, algae, foreign matter or any other product which could affect the bond adversely. The slurry is brushed vigorously into the pre-dampened surface after removing any free-standing water. All pores and voids are filled with the mix and stippled or heavily textured. The best results are obtained with a stiff bristle broom. Leave to harden overnight before rendering.

For Patching and Repair Mortars

Dry mix 3 parts of clean sharp sand (0-6 mm) with 1 part of ordinary Portland cement. Prepare the mixing liquid by blending equal parts of **CRMXTM Grouting Agent** and water together.

For large areas, use a forced-action mixer of the rotating drum, pan or trough type adding the dry-mixed mortar to the mixing liquid until a dry consistency is obtained. Small quantities can be thoroughly mixed by hand.

Do not over mix.

Apply the bonding slurry as described earlier in this publication to the prepared patch or repair areas. If there is steel reinforcing in the repair, this must also be coated with the slurry. Never allow the slurry to dry out. This mixed material must be firmly pushed into place and compacted with a trowel or float in layers not exceeding 20 mm. Successive layers can be placed once the initial set has taken place. This mix is not suitable for feather edging since the minimum recommended depth required is 10 mm.

HEALTH AND SAFETY

CRMXTM Grouting Agent liquid should not be ingested as it is based on acrylic polymers. Gloves and eye protection should be worn. Accidental splashes of these materials to the skin or eyes should be immediately washed off with clean water. In the event of prolonged irritation, seek medical advice.

TECHNICAL SERVICES

Sales and Customer Support (855) 755-2200

For most current data sheets and MSDS
Visit: www.gmiengineeredproducts.com



LIMITED WARRANTY

"GMI Engineered Products, LLC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

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