

HI-CRM

(Crack Repair Mortar.)

DESCRIPTION

HI-CRM is a rapid setting, ready to use polymer modified, single component refractory based material that used to fill non-moving heavy cracks in concrete and masonry surfaces.

USES

Suitable for filling horizontal, vertical and overhead cracks in concrete and masonry where high strength and masonry where high strength and moisture resistance are required.

concrete floors.

containment dike walls.

Non structural cracks in columns and beams.

Masonry walls.

Heavy bridges.

ADVANTAGES

- Fast set and density allow placement in one operation.
- Ready to use with the addition of Max Binder & Water.
- Freeze/thaw resistant. Shrink resistant.
- Non-gypsum based, thus allowing long term performance under wet conditions.
- Expands and contracts at a rate similar to concrete.
- Acrylic modified to produce superior bond, tensile and flexural strengths.

PACKING

50 kg in H.D.P.E. Bags.

APPLICATION

Using a putty knife, trowel or rubber float apply Hi-CRM by pushing the material into the crack until it is full. Clean away excess material from the sides of the crack with a damp rag. After material has cured, if filled cracks are low, apply additional Hi-CRM. If material has begun to set prior to placing, discard it. Do Not retemper.

TECHNICAL DATA

(All data derived under laboratory conditions. Field conditions may yield slightly different results).

Compressive strength (ASTM C 109):	
1 hour	500 psi
3 hour	2,000 psi
1 day	4,000 psi
7 days	5,500 psi
28 days	6,250 psi
Shear Bond Strength (ASTM C882)	
1 day	1,000 psi
7 day	1,500 psi
Flexural Strength (ASTM C 348)	
7 day	1,000 psi
Permeability (ASTM C-1202- 94)	
28 days less than 400 Coulombs	
Expansion / Shrinkage (ASTM C 157 modified with ASTM C928)	
Air Cure	7 day -0.06%
28 day	-0.09%

DIRECTIONS

SURFACE PREPARATION

Rout out or widen existing, non-moving cracks with a hammer and chisel, saw or grinder, ensuring adjacent concrete edges are sound. Vacuum and clean out of dust, dirt and debris from cracks.

MIXING

Hi-CRM sets rapidly, mix only an amount that can be placed and leveled with in 20-30 minutes. It is mixed with Hi-Fix at the ratio of 1:0.25:0.25 (mortar:binder:water) becomes an easy to paste. (Mixing ratio may vary for different substrates).

It may be advantages to mix smaller portions to Hi-CRM at a time, to minimize waste.

Mix until a smooth uniform consistency is obtained.

Do not mix more material than can be placed in 15 minutes.

This Product is Formulated and Labeled and Commercial use only

For Best Results and Safest Usage, User is Specialty Directed to Consult.

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