B&B Specialities (INDIA) Private Limited.

"The Specialty Chemical Company"

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.

Product Warranty: All recommendations, statements and technical data contained herein are based on tests we believe to be reliable and correct, HIBOND warrants its products to be free of mfg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HIBOND'S directions and tested in HIBOND'S standards. HIBOND'S facility is limited to replacement of material found to be defective. As HIBOND has no control over the use to which others may put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our information is valid in particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, applications and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.