B&B Specialities (INDIA) Private Limited.

"The Specialty Chemical Company"

HI-CRYSTAL

(Crystalline capillary waterproofing compound for repairing and protecting concrete.)

DESCRIPTION

Hi-Crystal is a one of a kind chemical treatment for waterproofing and repair of concrete. When mixed with water, it provides the most effective form of waterproofing. This light grey powder is applied similar to cementitious slurry coat to above or below grade concrete. It is also mixed in Dry-Pac form for sealing strips at construction joints, for repair or suspending faulty construction joints and honeycombs. Hi-Crystal prevents the penetration of water and other liquids from any direction by causing a catalytic reaction that produces a non-soluble crystalline formation within the pores and capillary tracts of concrete making it totally impermeable.

USES

- Any concrete or block structure where it is required to keep water in or out Foundations Reservoirs
- Tunnels and Subway Systems Swimming Pools Parking Structures
- Sewage and Water Treatment Plants Underground Vaults
- Secondary Containment Structures

ADVANTAGES

- Penetrates deeply and seals concrete's capillary tracts and shrinkage cracks.
- Can be applied from either the positive or negative side
- Completely effective against high hydrostatic head pressure
- Ease of application, labor-cost effective Increases concrete's compressive strength Nontoxic
- Can seal hairline cracks up to 0.4 mm
- Cannot puncture, tear or come apart at the seams Permanent

PACKING

HI-Crystal is packed in 5kg and 20 kg Bags.

TECHNICAL DATA

Form	: Powder
Colour	: Grey
Pot Life	: 30 minutes
Bulk Density	: 68 lbs/ft3 (1.09 kg/dm3) gray
VOC content	: 0% or 0 g/L
Setting Time	: 45 minutes

APPLICATION

Surface Preparation: The surface must be clean, sound, dry and free from oil, grease, laitance and any loose particles to ensure good Adhesion.

Mixing:

Brush application: 0.8kg./sq.m. 5 parts Hi-Crystal to 2 parts water (5:2). 1.1kg./sq.m. 3 parts Hi-Crystal to 1 part water.

Spray application: 0.8kg./sq.m. 5 parts Hi-Crystal to 2.75 to 3.25 parts water (varies with climate and spray equipment). Stir the slurry mixture frequently during the application and prepare only as much as can be applied within a 25-minute period.

Apply HI-CRYSTAL coating by masonry type brush. For spray applications, drop hopper or piston pump type equipment is recommended. Prior to application of Hi-Crystal coatings, fill form tie holes, routed out cracks, honeycombed pockets, reglets and seal strips at construction joints. Hi-Crystal slurry must be applied to damp concrete and concrete block surfaces only in specified quantities:

First coat should have a thickness of just under 1.0 mm; second should be applied when first coat is dry to the touch. A light misting of water may be required between coats in hot/dry climates.

STORAGE

Store tightly sealed Bags at room temperature.

This Product is Formulated and Labelled 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, HI BOND warrants its products to be free of m fg. Defects and that, at the time and place of shipment, our material will meet current published physical properties when applied within HI BOND'S directions and tested in HI BOND'S standards. HI BOND'S facility is limited to replacement of material found to be defective. As HI BOND has no control over the u e to which others m ay put its products. It is recommended that the product be tested to determine if suitable for a specific application and / or our inform at ion 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 recommend at on to use or as a license to operate under or to infringe any existing patent.