



## HIND CURE APB

### PRODUCT DATA SHEET

#### ACRYLIC POLYMER BASED ENVIRONMENT FRIENDLY CLEAR/WHITE CURING COMPOUND, SEALER & DUSTPROOFER

##### DESCRIPTION

**Hind Cure APB** is a single component concrete curing compound based on Acrylic Polymer to prevent premature water loss from concrete and also acts as a pore sealer & dust-proofer for floors and walls. It conforms to ASTM C 309, Type I & II, Class A & B and ASTM C 156.

##### USES

**Hind Cure APB** when sprayed or brushed into newly laid concrete surfaces it forms a thin film barrier against premature water loss, without creating any hindrance to the normal curing phenomenon due to adequate hydration, water held by the concrete matrix and for very slow evaporation of water from below the membrane, concrete achieves maximum beneficial properties. It can also be used when there is requirement of sealing and dust proofing the concrete surface for floors & walls.

##### ADVANTAGES

**Hind Cure APB** is very useful in large areas of exposed concrete such as

- High Rise Building to eliminate water curing
- UV Resistant, water based environment friendly compound free from solvent, wax and chlorinated or saponifiable compounds.
- Air Port Runways.
- Apron and hard standing.
- Roof decks and shell-roofs and Retaining walls.
- Possess excellent properties of moisture retention for fresh concrete reducing the possibilities of shrinkage cracks.
- Pre stressed beams and peers.
- Canal lining, Exposed surfaces of dams.
- It is suitable for application on freshly placed concrete and also over existing concrete.
- Sloping and angular surface where pond curing is not possible.

##### APPLICATION

**Hind Cure APB** needs to be stirred slowly before its application to obtain an uniform consistency of the compound. While it is applied on fresh concrete it has to be ensured that the surface is dry. If there is bleed water on the surface application should not commence until it becomes dry. It is always recommended that application of **Hind Cure APB** should be done immediately after de-shuttering and the concrete is damp to obtain optimum result.

**Hind Cure APB** is to be applied uniformly by a brush, roller or spray without any overlapping of the coating. The coverage under standard site condition for single coat of **Hind Cure APB** varies between **5- 10 Sq. Mtr/Kg** , depending upon the porosity of the surface.

Surfaces which is required to be sealed and dust-proofed two coats of **Hind Cure APB** is recommended at a coverage rate varying from **10-18 Sq. Mtr/Kg** during the second coat application. **Hind Cure APB** applied surfaces can receive any type of decorative coatings as a cover and paints based on PVA, PVC, Acrylic co-polymer, bituminous emulsions, polymer modified cementitious system, epoxy coating, polyurethane coatings and solvent or water based coatings.

## PROPERTIES

Aspect	Transparent/White
Specific Gravity	1.020 ± 0.05 at 27° C
Moisture Retention (ASTM C 156)	0.40 Kg/ m <sup>2</sup>
Drying Time (ASTM C 135, M 8.3)	35- 40 mins at 20 <sup>0</sup> C
	8-15 mins at 35 <sup>0</sup> C
UV Resistance (ASTM G53)	Resistant - No yellowing effect, chalking – lighter than gardener colour 3
Adhesion of tile Cement (ASTM C1315/ASTM D 4541)	1.2 N/mm <sup>2</sup>
VOC (Volatile Organic Content)	50.4 gm/Lit

### Chemical Resistance (ASTM D 1308 – Test of Spot for 48 Hours)

Chemicals resistance to Acids (m/v) such as **Acetic Acid 20%, Hydrochloric Acid 10%, Sulphuric Acid 25%, Lactic Acid 20% & Nitric Acid 5%** is **Excellent**.

Chemicals resistance to Solvent & Organics such as **Ethylene glycol 40%** is **Excellent**.

Chemicals resistance to Dairy/Food products such as **Fruit juices, Buttermilk, Milk, Cheese and yoghurt** is **Excellent**.

Chemicals resistance to Aqueous solutions such as **Distilled water, Alkaline Detergent Solution, Sodium Hydroxide 10%, High Sulphate Water, Sea Water Tap Water, Ground Water, Copper Sulphate 25%, Zinc Sulphate 25% and Magnesium Sulphate 25%** is **Excellent**.

## SHELF LIFE

Best Before 12 months from the date of manufacture when stored in warehouse conditions and dry place away from direct sunlight at temperature ranging between 5<sup>0</sup> C (Min.) and 40<sup>0</sup> C (Max.).

## PACKING

20Kg & 225 Kg HDPE container or as required.

## HANDLING PRECAUTION

**Hind Cure APB** is non-toxic but ingestion is to avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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**Note:**

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
  - The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
  - Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
  - Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
  - The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.
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