



## HIND SUPER CURE R

### PRODUCT DATA SHEET

#### MULTIPURPOSE CURING, SEALING AND PROTECTIVE MEMBRANE BASED ON ACRYLIC RESIN

##### DESCRIPTION

**Hind Super Cure R** is a non-biodegradable membrane forming liquid based on acrylic resin formulated to protect newly laid concrete or freshly de-shuttered concrete surface from corrosion due to carbonation and to prevent premature water loss from concrete. The compound when applied on the surface forms a film, which enables enough moisture to be retained in the concrete resulting to full hydration of cement with optimum compressive strength development. The fully cured concrete is tough and hard, with no shrinkage cracks and the surface obtained becomes almost dust free. It is UV resistant and allows the concrete to breathe when applied to all types of concrete surfaces. The membrane on its application acts as a base coat/primer for all types of surface finishes which does not require any penetration for substrate bonding. On its application on floor surfaces it seals all pores which makes the floor dust proof, and prevents abrasion and also making it durable and hard wearing. It conforms to **ASTM C 309 Class B**.

##### USES

**Hind Super Cure R** is used as a most effective, economical sealing/priming compound and also as a protective coating which can be applied on all types of concrete surfaces. It is very effective to surfaces which is subject to finishing treatment, economical enhancement of large concrete flatwork and is very cost effective for high rise building construction which requires protection of the structure from carbonation attack and water required for curing.

##### ADVANTAGES

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

- Retention of moisture in concrete is improved.
- Rapid water evaporation from concrete is prevented.
- Reduces shrinkage cracks.
- Effectively used in Marine environment to overcome corrosion.
- It is UV resistant and allows the concrete to breathe.
- Acts as a sealer and dust-proofer.
- Good abrasion resistant property.
- Non –biodegradable and does not required to be removed for surface finishing.
- Acts as a base/primer coat for application of protective coating and bitumen.
- Has a very high curing efficiency.

##### APPLICATION

**Hind Super Cure R** is a protective membrane forming compound and is recommended for application to the newly laid concrete once the surface water has disappeared. For large areas of concrete such as concrete highway, power driven automatic spray equipment attached to paver machine is employed. The content is to be stirred well before application as applied for paint application. For application over floor it should be applied by brush or spray which will seal all the pores making the floor dust proof. Recommended temperature of the surface should not increase 40<sup>0</sup> C at the time of application

## PROPERTIES

Aspect	White or Light Brown Liquid
Specific Gravity	White – $1.02 \pm 0.01$ at 25 <sup>0</sup> C Light Brown – $0.98 \pm 0.01$ at 25 <sup>0</sup> C
Dry Surface Finish Appearance	White or Transparent
Flash Point	30 <sup>0</sup> C
Dry Film Thickness	100 microns
Full cure/Drying Time( ASTM C 309)	40 mins at 25 <sup>0</sup> C
Loss of Water (ASTM C 156)	< 0.55 Kg/m <sup>2</sup> in 72 hours

### Compliance Standards:

Clear Version : ASTMC 309 Type I, Class B

White Version : ASTMC 309 Type II Class B

**Coverage\*:** 4-6 Sq Mtr /Kg or Ltr. depending on the surface texture.

(\* Coverage depends on site condition such as wind velocity, temperature, humidity and porosity of the surface.)

Note: The following surface treatment will have a perfect bonding over the surface coated with **Hind Super Cure R**. Application of PVC, PVA, and Acrylic Co-polymers based emulsion paints. Fixing of Tiles with tile adhesive based on the polymers as mentioned above. Epoxy Resin, Polyurethane Resin, Poly-Sulphide Sealant system and bituminous emulsions coatings.

## SHELF LIFE

Best before 12 months from the date of manufacturing in unopened conditions. To be stored in a cool and dry place away from direct sunlight at temperature ranging between 2<sup>0</sup> C (Min.) and 50<sup>0</sup> C (Max.)

## PACKING

Available in Industrial Packing (In Kg or Ltr.)

## HANDLING PRECAUTION

**Hind Super Cure R** 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.

### 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.

## HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

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