



## HIND CURE AL 170

### PRODUCT DATA SHEET

#### RESIN BASED ALUMINIUM PIGMENTED CONCRETE CURING COMPOUND

##### DESCRIPTION

**Hind Cure AL 170** is a pigmented lacquer type concrete curing compound to prevent premature water loss from concrete. It is based on synthetic film forming resin and leafing grade micro fine Aluminum pigment. The total reflection of sunlight from Aluminum surface to dissipate heat is an added advantage. It is a very fast setting compound. The content of organic solvent in it helps to form a tough resin film within two hours. It conforms to **ASTM C-309, ASTM C-156, ASTM-97 & BS-7542.**

##### USES

**Hind Cure AL 170** is sprayed or brushed into newly laid concrete surfaces to form a thin barrier against premature water loss. Without hindrance to the normal curing phenomenon due to adequate hydration water held by the concrete matrix underneath and for negligible evaporation of water from below resin membrane the concrete achieves maximum beneficial properties.

##### ADVANTAGES

**Hind Cure AL 170** is very useful in large areas of exposed concrete such as

- Concrete Highways-Road construction.
- Air Port Runways.
- Apron and hard standing.
- Roof decks and shell-roofs.
- Retaining walls.
- Pre stressed beams and piers.
- Canal lining.
- Exposed surfaces of dams.
- Sloping and angular surface where pond curing is not possible.

##### APPLICATION

**Hind Cure AL 170** curing compound is recommended for application once the surface water has disappeared. As it is solvent based, the equipment are to be cleared with mineral Solvents, such as white spirit, kerosene oil, etc. soon after completion of job. It is recommended to stir the contents of container before application and to keep the product away from flame and heat under shade. Application can be done by spray or brush. The coverage depends on site condition such as wind velocity, temperature and humidity.

##### PROPERTIES

Aspect	Aluminum Pigmented Liquid
Colour	Silver Grey
Specific Gravity	0.95 ± 0.10 at 27° C
Non-volatile solid content	15± 2%
Water Retention (As per ASTM C156)	< 0.55Kg/m <sup>2</sup> in 72 hours
Reflectance (As per ASTM C 309)	> 60%
Drying Time (As per ASTM C 309)	< 4 hours.
Curing Efficiency ( As per BS 7542)	> 90%
Coverage	3-5 Sq. Mtr. / Litre

It dries like pigmented lacquer when sprayed/brushed into newly laid concrete surface not containing surface water. The evaporation rate of water from under the membrane film is as low as 0.30 Kg against 0.55 Kg (Maximum) per Sq.Mtr. per 24 hours stipulated in **ASTM/BS/MOST (GOVERNMENT OF INDIA)** specification.

## LIMITATION

**Improper storage conditions may cause separation or affect the homogeneity of this material.**

## USER GUIDELINE

**The container should be put upside down for 10-15 mins then stir well before use to get homogeneous mixture.**

## SHELF LIFE

Best before **12 months** from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2<sup>0</sup> C (Min.) and 40<sup>0</sup> C (Max.)

## PACKING

105, 210 Litre. in HDPE container or as required

## HANDLING PRECAUTION

**Hind Cure AL 170** 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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(AN ISO 9001: 2015 COMPANY)

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