

# HIND COAT REPEL SC

SINGLE COMPONENT PENETRATING HYDROPHOBIC SILANE-SILOXANE  
CLEAR WATERREPELLENT FOR MASONRY & CONCRETE



## DESCRIPTION

**Hind Coat Repel SC** is a ready to use single component penetrating silane-siloxane compound which penetrates into porous substrates and the reacts to form a bonded hydrophobic lining to pores. It possess the unique property to reduce absorption of water and water borne salts and allows the passage of water vapour gas out of the substrate. It does not change the colour of the substrate. It however may darken some polymer modified substrates and with cement. Due to having any excellent water repelling properties dirt,dust and other atmospheric impurities are easily washed off by rain and its clear appearance is retained for a longer period of time. It conforms to **IS 12027-1987** as a water repellent coating.

## USES

**Hind Coat Repel SC** is used both to protect atmospherically exposed reinforced concrete, other cementitious substrates and masonry from attack by chloride ions and water intrusion. **Hind Coat Repel SC** is suitable to be used on all types of structures like mineral substrates such as brick, stone, concrete, mortar lime stone and asbestos sheeting including those in saline and coastal environments. It can also be used for both new and old structures.

## ADVANTAGES

- Penetrates deep into porous substrates.
- Possess excellent water repellant properties to concrete & masonry substrates.
- Increases free flow resistance.
- Deeply penetrable into absorbent substrates due to smaller molecule size providing excellent water repellent properties.
- The substrate life gets increased due to reduction in water absorption which resist spalling due to efflorescence and freeze-thaw effect.
- Chemically resistance to ice melting compounds, fuels, oils and atmospheric containments.
- The surface become highly water repellent and is durable in aggressive environment.
- The original colour of the surface remains unaltered after the coating.
- When applied to vertical surface it gets cleaned with rain water without leaving any stains.
- Low VOC content.

## APPLICATION

### Surface Preparation

The substrates over which **Hind Coat Repel SC** is applied must be dry and free fom containments such as oil, grease, loose particles, decayed mass, mortar and algae growth. If any mould release agent has been applied to the surface it should be completely removed prior to application of **Hind Coat Repel SC**.

### Application

**Hind Coat Repel SC** is to be applied in two coats flooding the surface by using potable spray equipment of knapsack type. It should be allowed to dry for at least **2 (Two) hours at 20°C** before recoating.

### Cleaning

All equipment used for application of **Hind Coat Repel SC** should be properly cleaned with any solvent immediately after the application is completed.

**Note: Not recommended to be applied over substrates subjected to hydrostatic pressure.**

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## PROPERTIES

|                                    |   |
|------------------------------------|---|
| Appearance                         | Clear free flowing water white to pale yellow.  |
| Non Volatile matter %              | 3.5 to 5.0  |
| Specific Gravity at 30°C           | 0.800 $\pm$ 0.02  |
| Application                        | Spray or Brush  |
| Drying Time (minutes)              | 20-25   |
| VOC Content (g/L)                  | 698 gm/litre  |
| Flash Point ( Closed cup)          | 35-40°C   |
| Water Repellency (IS 12027-1987)   | Water is repelled in bead form.   |
| Water absorption % (IS 12027-1987) | 10 (maximum)  |
| Application Temperature            | Above 5°C   |
| Coverage                           | <b>4-5 Sq.Mtr/lit/coat</b> depending on the porosity of the surface. If the surface is porous, second coat application is to be done. |

## SHELF LIFE

**Best before 12 months** from the date of manufacture in unopened condition. To be stored in a cool and dry place away from direct sunlight at a temperature ranging between 5°C to 45°C.

## PACKING

Available in 1, 5, 10, 20, & 210 Ltrs HDPE Container.

## HANDLING PRECAUTION

**Hind Coat Repel SC** is non-toxic. Any splashes on skin happen, immediately wash with water. If contacts with eyes occur, immediately wash with water and seek medical advice. When it comes into contact acids, bases, amines and heavy metal or their compounds the rate of evolution gets increased and it has to be kept away from these materials. Should not be use near naked flame. During application use of safety goggles and gloves is always recommended.

## IMPORTANT NOTICE :

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 behaviour 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.



✉ contactus@hindcon.com  
☎ +91 33 24490839, 9830599113  
☎ +91 33 24490849  
📍 Kolkata, West Bengal, India

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