



## HIND POLY COAT

### PRODUCT DATA SHEET

#### MODIFIED ACRYLIC POLYMER BASED CONCRETE FLOOR COATING SYSTEM

##### DESCRIPTION

**Hind Polycoat** is a concrete protective coating system based on modified acrylic polymer. This high performance modified acrylic polymer water based formulation is designed for use in both interior and exterior floor applications and comes in standard colours which are White, Red, Light Grey and Green. The unique formulation is extremely low in VOC's (less than 50 gms/ltr) environmentally friendly (Green leaf and can qualify for LEED points) and has a very low polymer odour. **Hind Polycoat** is an ideal solution for new concrete floor construction and maintenance projects that requires superior protection against abrasion, corrosion and chemical abuse while minimizing losses due to downtime. **Hind Polycoat** protective coating dries to a very hard, coloured semi-gloss coating depending on surface porosity and the ease of re-coat ability. It offers durability, quality and fast installation. The treatment provides long-lasting surface protection, beautification, ease of maintenance and a perfect system for protecting concrete floors.

##### USES

**Hind Polycoat** is recommended to be used on concrete floor which needs to be stain resistant, chemical resistant. It is ideal for concrete courtyards in Real Estate Project, Industrial floors in Car manufacturing factory, Pharmaceutical factory, Food product manufacturing unit, Beverage/Bottling Plants, Dam Power House floors etc. etc.

##### ADVANTAGES

- ♣ Highly durable, adhesion and low maintenance cost.
- ♣ Excellent bonding with the substrate that does not peel, flake or delaminate.
- ♣ Creates a stronger, more impenetrable and better looking finish that is dust proof, resistant to staining and deterioration.
- ♣ Produces a tough trafficable surface for high abuse areas that are subject to light trafficking in 6-8 hours.
- ♣ Reduces maintenance, cleaning costs and costly repairs. Only damp mop is required.
- ♣ Environmental friendly, Low VOC content, Non toxic, Non-flammable, Easy water cleanup.
- ♣ Maximum performance may take up to 3 days to develop, depending on temperature and humidity. Do not allow standing water to be left on the surface after coating is done for 48 hours.

##### PROPERTIES

Aspect	White/Coloured Aqueous Solution (as per requirement)
Specific Gravity at 27 <sup>0</sup> C	1.01 ± 0.05
pH	7.0 ± 1.0
Chloride Content	Nil
VOC Content	Less than 50 gms/Ltr.
Coverage	<b>Sponge Brush application</b> 275 ~ 325 m <sup>2</sup> / 20Kg ( 0.07 Kg/m <sup>2</sup> ) <b>Spray application</b> 300 ~ 350 m <sup>2</sup> / 20Kg ( 0.06 Kg/m <sup>2</sup> )

**Note: Coverage may vary depending on the porosity of the surface**

## APPLICATION PROCEDURES & INSTRUCTIONS

### Substrate Preparation: Cement Concrete/Cementitious products

For long term placement create a rough surface profile using diamond grind about #180 for Clean and neutralization. The surface must be dry, free of surface containments and in sound condition. Grease and oil should be removed as per **ASTM D 4258-83** and release agents should be removed as per **ASTM D 425-88**. Refer to **SPC-SP13/NACE No. 6** mechanical or chemical surface preparation methods for preparing concrete to suitable cleanliness for intended service. Surface preparation methods should impart sufficient surface profile for mechanical adhesion to occur. Ensure surface is thoroughly rinsed and dry prior to preparation and application. Uneven concrete substrate, scratches and cracks are to be repaired with polymer mortar to achieve the smoothness. Mask Areas that do not receive the coating topcoat finish and surface hardener is to be protected from over spray.

### Important Instructions:

- ♣ Complete mixing is essential for good product performance. Mix well preferably with a slow speed drill fitted with a stirrer and after proper mixing the coating to be applied immediately.
- ♣ Sponge Brush application or Spray application.

### STEPS FOR APPLICATION

At first concrete is to be poured mixed with surface hardener and allowed to cure for 28 days to achieve the targeted compressive strength. Secondly application of **Hind Polycoat** top to be done by rake attached sponge brush. More than 2-3 hours curing under 20<sup>0</sup> C make the surface ready for next coating stage. In case the application is done in high moisture environment ventilation must be provided to dry and curing of the coating. The second coat of **Hind Polycoat** to be applied by rake attached sponge brush and the consistency of the coated color to be ensured as like the first coat.

### MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floor with water and neutral pH cleaners (if necessary) are recommended. Water only is sufficient for most environments.

**Note:** Do not use cleaners that are acidic or that have citrus(de-limonene) or Butyl compounds. Although **Hind Polycoat**, coating is chemically resistant and helps reduce staining, its application in specific chemical environments and some acidic concentrates, may etch the surface causing a residual stain. If unsure check with a conversant concrete technical representative. Regular maintenance and cleaning will help prolong surface shine. Wipe up any chemical spills as soon as possible. Always test adhesion and performance for suitability and desired results before application.

### SHELF LIFE

Best before 6 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 50<sup>0</sup> C (Max.)

### PACKING

In **20 Kg HDPE Container**. Available in **White, Red, Blue, Light Grey, Yellow and Green** colour shades.

## HANDLING PRECAUTION

**Hind Polycoat** is non-toxic. Use hand gloves and goggles while applying the same. Avoid ingestion and prolonged skin contact. If contact with eyes occur wash immediately with clean 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 be supplied on request.

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