

# ShaliProtek<sup>®</sup> HB DTM

High Build Synthetic Direct To Metal Coating



STP Limited

## Description

**ShaliProtek<sup>®</sup> HB DTM** is a single component, high build, direct to metal primer-cum-finish coating suitable for well prepared steel for mild to moderate corrosive atmosphere.

**ShaliProtek<sup>®</sup> HB DTM** is a low VOC quick drying material for interior and exterior purpose in moderate corrosive environment. The material has good weather ability and moderate abrasion resistance.

## Characteristics

Theoretical Coverage*, m <sup>2</sup> / L	5.2 – 8.6	Curing Time, @ 30 °C	
Colors	Assorted Shades	• Touch Dry, hrs	1
Volume Solid, %	67±2	• Handle, hrs	3 - 4
DFT, Microns	75 - 125	• Hard, days	10 -12
Temperature Resistance, °C		Flash Point, °C	29 ± 1
• Continuous	90	Density, gm / cc	1.35 ± 0.05
• Intermittent	120	VOC, grm / L	220 - 250
Application temperature, °C	< 10 to > 45	Over Coating Interval, hrs	10 - 36

\* Depending Upon Surface Condition.

## Application

- Mild steel coating application.
- Automobile workshops and showrooms.
- OEM application.
- Any MS structures.

## Advantage

- Good semi glossy to glossy finish.
- Easy to apply, flow able consistency.
- Excellent bond to metal surface.
- Moderate to good chemical resistance.
- Good weatherability.

## Application Methodology

### ➤ Surface Preparation

- Remove oil / grease by washing with liquid detergent, followed by acid wash or by burning.
- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically by scarifying or by grinding to make the surface active.
- Preferably achieve a surface profile as per SSPC SP 10 (SA 2½).

### ➤ Material Preparation

- Stir thoroughly **ShaliProtek<sup>®</sup> HB DTM** with a slow speed drill mixer with a spiral type blade at the bottom of stirrer rod till homogeneous mix is obtained.
- After stirring, wait for the product to settle in order to let entrapped air escape.

## ➤ Application of Material

- Apply **ShaliProtek® HB DTM** on the prepared surface by brush / roller / airless spray gun with standard equipment having pump ratio minimum 30 : 1.
- Apply **ShaliProtek® HB DTM** preferably without thinning, if required, add up to 5% STP Thinner for spray application.

## Limitations

- Do not apply **ShaliProtek® HB DTM**
  - On surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
  - On to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.

## Cleaning & Maintenance

- Clean all tools immediately after use with Xylene. Do not allow material to harden.

## Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately.
- Do not induce vomiting.

## Packing

Available in 20 L pack.

## Storage

Store in a cool dry place, under shed, away from heat.

## Shelf Life

12 months in original unopened sealed conditions.



**Product Range**

- Waterproofing & Insulation
- Road Surfacing
- Sealants & Adhesives
- Pipeline Coatings
- Protective/Anti-Corrosion Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- RestoFix - Repair/Rehabilitation
- Other Construction Chemicals



**Advisory Cell: +91 81302 81114**