



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

### SHALITHANE HB FINISH

Data Sheet No. SPL/PMG/2019100048

A two pack high build polyurethane top coat cured with aliphatic poly isocyanate. This coating gives outstanding weather resistance and colour retention properties. Due to its excellent toughness, high film build and chemical resistance properties, it finds extensive use in medium environment.

#### Product Information

<b>Color</b>	Selected Range
<b>Finish</b>	Matt to Semi-glossy
<b>Flash Point</b>	Above 23°C
<b>Mixing Ratio (By Volume)</b>	Base : Accelerator 10 : 1
<b>Volume Solids</b>	62 ± 3 %
<b>Recommended dry film thickness</b>	50 – 125 microns
<b>Corresponding wet film thickness</b>	81 – 202 microns
<b>Theoretical Spreading Rate</b>	12.40 – 4.96 Sq.m/ltr
<b>Drying time @ 30°C</b>	Touch dry 1 - 2 hours Hand Dry 8 – 12 hours Full cure 7 days
<b>Interval before Over-coating</b>	Minimum 12 hours Maximum 5 days
<b>Volatile organic Compound (VOC)</b>	325 gm/ltr (EPA Method 24)
<b>Storage Life</b>	12 months minimum @ 30°C if stored in a dry sealed container at shaded condition away from heat source and ignition
<b>Dry Heat Resistance</b>	Up to 120°C (Intermittent)

#### Surface Preparation

##### Steel Surface

Surface to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

It is always recommended to apply suitable primer coat before application of this product. Ensure surfaces to be coated is dried and followed overcoating interval and if required sufficiently roughened by emery paper.

This product can be applied over Hand & Power tool cleaning to St2 & St3.

*For damage area rectification contact the Technical team of Shalimar Paints limited*

#### Application Details

##### Method of Application

Brush / Roller / Airless Spray/Air Spray

##### Notes on Airless Spray

Tip Range	15 – 21 thou.
Total Output	1900 – 2800 psi.
Fluid Pressure	(147- 196 kg/sq.cm
Pot Life	6 - 8 hours
Thinner	PU Thinner

##### Notes on Air Spray

Nozzle Orifice – 1.0 mm to 3 mm  
Nozzle Pressure – 0.3-0.4 Mpa

#### Uses

Suitable as topcoat for Fertiliser Plants, Petrochemical Units, Chemical Plants & Power Plants.

## Typical System Selection Guide

SURFACE	1 <sup>ST</sup> COAT	2 <sup>ND</sup> COAT	3 <sup>RD</sup> COAT	4 <sup>TH</sup> COAT
Steel	Epigard Zinc Rich Primer / Tuffkote Zilicate MZ	Epigard HB MIO Brown / Grey	Shalithane HB Finish	Shalithane HB Finish
- Do -	Epigard Zinc Phosphate Primer	Epigard HB MIO Brown / Grey	Shalithane HB Finish	Shalithane HB Finish
- Do -	Epiplus 556	Shalithane HB Finish	Shalithane HB Finish	-

## Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Solvents	Salt	Water
SPLASH & SPILLAGE	Good	Very Good	Good	Excellent	Very Good
FUMES & OUTDOOR EXPOSURE	Very Good	Excellent	Excellent	Excellent	Very Good

## Health & Safety

Use Proper Personal Protective Equipment(PPE) during application of this product.

Please consult Material Safety Datasheet (MSDS)

## Precaution

Provide adequate ventilation during application and drying. Clean Spray gun equipment and hose immediately after application of material.

## Standard Pack Size

11 litres - For available pack size contact local representative of Shalimar Paints Limited

### NOTES:

1. This Product datasheet supersedes all previous datasheet and subject to change without prior notice
2. Do not apply when surface temperature is less than 3 °C than dew point.
3. Mixing with mechanical agitator is strongly recommended
4. Use material within stipulated pot life
5. Do not apply paints when environment temperature rises above 50 °C or when relative humidity rises above 85%. Do not apply during rain, fog or mist.
6. Use of thinners other than supplied or approved by Shalimar may adversely affect product performance
7. Drying is dependent on temperature, relative humidity and thickness; ranges is given for considering those parameters
8. System Guide is a typical and for indicative purpose only, however this can have wide range of combination. For details, please contact Shalimar Paints limited
9. Request for details information of surface preparation, paint application on the recommended coating system

**DISCLAIMER:** This PDS is by no means a comprehensive data. The company will not be liable for losses or damages howsoever caused including liability for negligence, which may be suffered by the user of the data contained therein. It is the user's responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of result is extended since conditions of use are beyond our control. Liability is limited to replacement of the product hence cost of labour charges or consequential damages are excluded.