



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

### EPIGARD SOLVENTLESS EPOXY COATING

Data Sheet No. SPL/PMG/20191000059

A two pack solvent free high performance high build epoxy coating specially designed for application as an internal coating for steel, for storage of both sweet and sour crude oils, unleaded petrol, MTBE, ATF, selected range of aliphatic and aromatic hydrocarbon solvents and water. This product is suitable for safe storage of water also. It gives a very tough wear resistant, impervious coating to withstand many chemicals, fats and oils.

#### Product Information

<b>Color</b>	Selected Range
<b>Finish</b>	Semi glossy
<b>Flash Point</b>	Above 23°C
<b>Mixing Ratio (By Volume)</b>	Base : Accelerator 3 : 2
<b>Volume Solids</b>	98 ± 2 %
<b>Recommended dry film thickness</b>	200 – 300 microns
<b>Corresponding wet film thickness</b>	204 – 306 microns
<b>Theoretical Spreading Rate</b>	4.9 – 3.3 Sq.m/litre
<b>Drying time @30°C</b>	Surface dry 2 - 4 hours Handle dry 8 hours Full cure 7 days
<b>Interval before Over-coating</b>	Minimum 16 hours Maximum 48 days In case the stipulated overcoating period is over, for application of subsequent coat of paint the surface should be sweep blasted for better inter coat adhesion.
<b>Volatile organic Compound (VOC)</b>	75 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 150°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

Airless/Brush / Roller / Spray

##### Notes on Airless Spray

Tip Range	19 – 25 thou.
Total Output	3000 psi.
Fluid Pressure	(210 kg/sq.cm.)
Pot Life	6 - 8 hours
Thinner	Thinner 6756

##### Notes on Air Spray

Nozzle Orifice – 1.2 mm to 3 mm  
Nozzle Pressure – 0.3-0.4 Mpa

#### Uses

Tank lining, Urea Prilling Tower, Cooling tower, Effluent treatment plant etc.

#### Limitations

The finish tends to chalk when exposed to sunlight although protective properties of the film remain practically unaffected.

## Typical System Selection Guide

SURFACE	1 <sup>ST</sup> COAT	2 <sup>ND</sup> COAT	3 <sup>RD</sup> COAT
Steel	Epigard 5 HB Zinc Phosphate Primer	Epigard solventless epoxy Coating	Epigard solventless epoxy Coating

## Chemical Resistance Guide (with suitable top coat)

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

## 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

5 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.