



**SHALIMAR  
PAINTS**

# TUFFKOTE

PROTECTIVE COATINGS

EPIGARD SOLVENT FREE EPOXY FINISH

Data Sheet No. SPL/PMG/2019100058

Epigard Solvent Free Epoxy Finish is a two component high build, heavy duty, 100 % solid ,zero Volatile Organic Compound(VOC)& special amine cured epoxy paint. Product is especially used to provide corrosion protection for internal steel pipe line used in potable water .It can be used on steel storage tanks used for crude oil, white oil & potable water. Product applied in new construction as a single coat for long term protection. It is formulated to reduce solvent emission in potable water & not to pickup any test or odour on storage in steel tank & pipes.

**Certificates / Approvals:** Red coloured product is approved by WRAS for potable water as per BS 6920: 2000 for cold water; Approved by CFTRI for FDA 175.300



## Product Information

<b>Color</b>	Red & Selected range		
<b>Finish</b>	Glossy		
<b>Volume Solid (By Volume)</b>	100%		
<b>Mixing Ratio (By Volume)</b>	Base : Accelerator 3:1		
<b>Recommended Dry Film Thickness</b>	300 - 600 microns		
<b>Weight Per Ltr of Base kg/lit (mix)</b>	1.60 to 1.66		
<b>Drying Time</b>		<u>@25°C</u>	<u>@45°C</u>
	Touch Dry	8hrs	1hr
	Hard Time	18hrs	7hrs
<b>Interval Before Coating(for repair purpose only)</b>		<u>@25°C</u>	<u>@45°C</u>
	Minimum	18hrs	8hrs
	Maximum	24hrs	12hrs
<b>Flash Point Pull Off Adhesion</b>	Greater than 101°C 10 - 12 Mpas as per ASTM D 4541/ISO 4624		
<b>Shore D Hardness Pot life</b>	65 (min.) as per - ASTM D 2240 1 hour @ 25°C 30 minutes @ 40°C		
<b>Storage</b>	12 months minimum @ 30°C if stored in a dry & sealed container at shaded condition away from heat source and ignition		

## Surface Preparation

### Steel Surface

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

Abrasive blast clean to Sa 2½ is recommended.

*For Damage area rectification and hand tool and power tool cleaning contact the Technical team of Shalimar Paints Limited*

## Application Details

By stiff bristle brush/Plural feed airless spray gun.

This Products is recommended to apply by Plural component Airless Spray gun

Tip Size 29-39 thou, Total fluid pressure at spray tips not less than 2500 Psi.

**Thinner / Cleaner:** SFE 6756

Clean all equipment immediately using cleaner

Before application Base to be heated @ 55-60°C and Accelerator @ 45-50 °C

Preheating is dependent on environment condition hence please contact technical team of shalimar paints limited for actual recommendation

## Uses

Internal & External MS pipe coating ,Interior tank Lining

## Typical System Selection Guide

SURFACE	1 <sup>ST</sup> COAT	2 <sup>ND</sup> COAT	3 <sup>RD</sup> COAT	NOTE
Steel	Epigard Solvent Free Epoxy Finish	Epigard Solvent Free Epoxy Finish	Epigard Solvent Free Epoxy Finish	For repair purpose Only

## Chemical Resistance Guide (with suitable top coat)

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

800 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 potlife
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.