



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD TL 543 HS FINISH

Data Sheet No. SPL/PMG/2019100017

A two pack Amine-adduct cured high build phenolic epoxy tank lining specially formulated to provide maximum chemical resistance combined with very good temperature and wear resistance. The coating has excellent resistance to crude oil, refined and unleaded petroleum products, MTBE, ATF, caustic solution, selected range of aromatic/aliphatic solvents, most commonly stored chemical products and fresh/saline/hot water. It is recommended for use on structural steel, equipment exposed to severe chemical environments.

Product Information

Color	Selected Range	
Finish	Eggshell to Semigloss	
Flash Point	Above 23°C	
Mixing Ratio (By Volume)	Base : Accelerator 5 : 1	
Volume Solids	67±3%	
Recommended dry film thickness	100 - 150 microns	
Corresponding wet film thickness	150 - 224 microns	
Theoretical Spreading Rate	6.7 – 4.47 Sq.m/ltr	
Drying time @ 30° C	Touch dry	2 - 4 hours
	Handle dry	10 - 12 hours
	Full cure	7 days
Interval before Over-coating	Minimum	24 hours
	Maximum	21 days
Volatile Organic compound (VOC)	275 gms/ltr (EPA Method 24)	
Storage Life	Up to 12 months so long as the material is stored in a sealed containers under standard warehouse storage conditions	
Dry Heat Resistance	Up to 220°C (Intermittent)	

Surface Preparation

Steel Surfaces

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.

It is recommended to hand tool/ power tool cleaning upto St2 or St3 before application when abrasive cleaning is not possible

This product can be applied on tightly adhered aged/Old Coating.

For damage area rectification and concrete coating, please contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application

Brush/ Airless spray

Notes on Airless Spray

Tip Range	23 - 26 thou.
Total Output	2500 - 3500 psi.
Fluid Pressure	(176 - 246 kg/sq.cm.)
Pot Life	1 to 1.5 hour
Thinner	Thinner 6756

Notes on Air Spray

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

USES

An ideal finish coat in tank lining paint system in refineries, petrochemical units, fertilizer plants, etc. Also on mild steel surfaces of chemical units subjected to aggressive environment.

Limitations

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

System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT
Steel	Epigard Zinc Rich / Tuffkote Zilicate Primer / Epigard Zinc Phosphate Primer	Epigard TL 543 HS Finish	Epigard TL 543 HS Finish
- Do -	Epigard 5 High Build Primer	Epigard TL 543 HS Finish	Epigard TL 543 HS Finish

Chemical Resistance Guide (with suitable top coat)

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

20 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

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