



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD 543 HB COATING

Data Sheet No. SPL/PMG/2019100028

A two pack amine - adduct cured high solid epoxy lining designed for intermediate coat for application on structural steel surface exposed to aggressive chemical and coastal environment.

Product Information

Color	Selected Range
Finish	Semi glossy
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base: Accelerator 2.5 : 1
Volume Solids	85 ± 3 %
Recommended dry film thickness	125 - 200 microns
Corresponding wet film thickness	147 – 235 microns
Theoretical Spreading Rate	6.8 – 4.25 Sq.m/ltr
Drying time @ 30 ° C	Surface dry 3 – 4 hours Handle dry 12 – 18 hours Full curing 7 days
Interval before Over-coating	Minimum 18 hours Maximum 7 days
Volatile Organic Compound (VOC)	150 gm/ltr (EPA Method 24)
Storage Life	Upto 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 coting, please contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application

Brush/ Airless spray

Notes on Airless Spray

Tip Range	23 - 29 thou.
Total Output	2500 - 3500 psi.
Fluid Pressure	(176 - 246 kg/sq.cm.)
Pot Life	1 to 1.5 hour
Thinner	Thinner 6756

Uses

An ideal intermediate 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.

System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT
Steel	Epigard Zinc Rich / Zilicate / Epigard Zinc Phosphate Primer	Epigard 543 HB Coating	Shalithane RC HB Finish
- Do -	-Do-	Epigard 543 HB Coating	Shalithane Finish
- Do -	Epiplus 556	Epigard 543 HB Coating	Shalithane 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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