



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD TL HIGH BUILD FINISH

Data Sheet No. SPL/PMG/2019100015

A two pack amine-adduct cured high build epoxy coating specially formulated as an ideal tank lining for storage of ATF and other petroleum products. This product is also suitable for storage of vegetable oils and fresh / saline water. The coating passes MIBK curing test and remains unaffected by many corrosive chemicals and solvents.

Product Information

Colour	Selected Range
Finish	Eggshell to Semi gloss
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1
Volume Solids	60±3%
Recommended dry film thickness	100 - 125 microns
Corresponding wet film thickness	167 – 208 microns
Theoretical Spreading Rate	6.0 – 4.8 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 18 hours Maximum 7 days
Volatile Organic compound (VOC)	350 gm/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 150°C (Intermittent)

Uses

As tank lining for MS storage tanks in refineries, petrochemical units, fertilizer plants, oil installations, etc.

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/Air 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

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 TL HB Finish	Epigard TL HB Finish
- Do -	Epigard 5 HB Zinc Phosphate	Epigard TL HB Finish	Epigard TL HB 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

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.