



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD DT HB FINISH

Data Sheet No. SPL/PMG/2019100098



A two pack high build & high solids epoxy coating specially formulated for painting of tank/ MS pipe internals for storage/transportation of potable water, edible oil, cargo hold for storage of food grains etc. The coating has very good resistance to fresh / saline water, various solvents, splash and spillage of wide range of chemicals. Grey color product is approved by WRAS for potable water as per BS 6920: 2000; Approved by CFTRI for FDA 175:300

Product Information

Color	Selected Range	
Finish	Semi glossy	
Flash Point	Above 23°C	
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1	
Volume Solids	60 ± 2 %	
Recommended dry film thickness	100 – 125 microns	
Corresponding wet film thickness	170 – 210 microns	
Theoretical Spreading Rate	6.0 – 4.8 Sq.m/ltr	
Drying time @ 30°C	Surface dry	2 - 4 hours
	Handle dry	6- 8 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	12 months minimum @30°C if stored in a dry sealed container at shaded condition away from heat source and ignition	
Dry Heat Resistance	Up to 150°C (Intermittent)	

Uses

An ideal finish coat in tank lining for potable / fresh water tanks and for inside of pipelines carrying potable / fresh water.

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 surface to be coated is dried and followed over-coating interval and if required sufficiently roughened by emery paper.

This product can be applied after Hand & Power tool cleaning to St2 & St3.

For damage area rectification contact the Technical team of Shalimar Paints limited

Application Details

Method of Application

Brush / Roller / Spray

Notes on Airless Spray

Tip Range	15 – 21 thou.
Total Output Fluid	1900 – 2800 psi.
Pressure	(147- 196 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

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 ST COAT	2 ND COAT	3 RD COAT
Steel	Epigard 5 HB Zinc Phosphate Primer	Epigard DT HB Finish	Epigard DT HB Finish
- Do -	Epigard 5 HB Zinc Phosphate Primer	Epigard DT HB Finish	
Concrete Surface	Epigard HP Off white Primer	- do -	

Chemical Resistance Guide (with suitable top coat)

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

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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