



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD EPOXY FINISH

Data Sheet No. SPL/PMG/2019100075

A two pack polyamide cured High Build epoxy coating specially formulated as a finish coat for the protection of steel and concrete surfaces exposed to humid, saline and chemical environment. This coating when over-coated by Polyurethane Finish immensely upgrades the anticorrosive performance of the system with outstanding weathering resistance and colour retention.

Product Information

Color	Selected Range	
Finish	Semi glossy	
Flash Point	Above 23°C	
Mixing Ratio (By Volume)	Base : Accelerator 9 : 1	
Volume Solids	45 ± 2 %	
Recommended dry film thickness	30 – 40	microns
Corresponding wet film thickness	67 – 90	microns
Theoretical Spreading Rate	15.00-11.25 Sq.m/ltr	
Drying time @ 30°C	Surface dry	2 - 3 Hours
	Handle dry	6- 8 Hours
	Hard Dry	12-16 Hours
	Full cure	7 Days
Interval before Over-coating	Minimum	18 Hours
	Maximum	7 Days
Volatile organic Compound (VOC)	470 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 100°C (Intermittent)	

Uses

An ideal finish coat for Refineries & Petrochemical Units, Power Plants, Gas Plants, Fertilizer Plants, Chemical Plants, Pulp & Paper Mills.

Surface Preparation

Steel

All surfaces 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 8504:1992.

It is always recommended to apply this product over recommended coating system; previous coat has to be dry and free from contamination and wait till overcoating interval time before application of this product.

For damage area rectification please contact the Technical team of Shalimar Paints.

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	4 TH COAT
Steel	Epigard Zinc Rich/Epigard 5 HB ZP Primer	Epigard HB MIO /Epigard MIO Intermediate	Epigard Epoxy Finish	Epigard Epoxy Finish / Shalithane Finish
- Do -	Epigard Zinc Phosphate / Epigard 5 HB ZP Primer	Epigard Zinc Phosphate Primer/Epigard MIO Intermediate	Epigard Epoxy Finish	Epigard Epoxy Finish / Shalithane Finish
Concrete Surface	Epigard HP Off white Primer	- do -	Epigard Epoxy Finish	

Chemical Resistance Guide (with suitable top coat)

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

1,4,10 & 20 litres - For available pack Size- consult 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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