



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

SHALITHANE HPUV FD

Data Sheet No. SPL/PMG/2019100193

A two pack high build glossy acrylic polyurethane cured with aliphatic polyisocyanate top coat with outstanding weather resistance and colour retention properties. Due to its excellent toughness, high film build and chemical resistance properties, it finds extensive use in coastal and highly corrosive environment.

Product Information

Color	Selected Range	
Finish	High Gloss	
Flash Point	Above 23°C	
Mixing Ratio (By Volume)	Base : Accelerator 6 : 1	
Volume Solids	62 ± 3 %	
Recommended dry film thickness	50 – 75	microns
Corresponding wet film thickness	81 – 121	microns
Theoretical Spreading Rate	12.40 – 08.26 Sq.m/ltr	
Drying time @ 30°C	Touch dry	1 ½ Hours
	Handle dry	12 Hours
	Full cure	07 Days
Overcoating Interval	Minimum	12 hours
	Maximum	7 days
Volatile organic Compound (VOC)	365 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 120°C (Intermittent)	

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

This product can be applied 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 / Airless Spray/Air Spray

Notes on Airless Spray

Tip Range	15 – 21 thou.
Total Output	1900 – 2800 psi.
Fluid Pressure	(147- 196 kg/sq.cm
Pot Life	3 hours
Thinner	PU Thinner

Notes on Air Spray

Nozzle Orifice – 1.0 mm to 3 mm
Nozzle Pressure – 0.3-0.4 Mpa

Uses

Suitable as topcoat at highly aggressive Oil Refineries, Fertiliser Plants, Petrochemical Units, Marine Installations, Chemical Plants, Transportation Industries, Power Plants, Offshore Structures for highly aggressive environment.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	TUFFKOTE ZILIKATE Z850	EPIGARD XL HB MIO 800	SHALITHANE HPUV FD	SHALITHANE HPUV FD
- Do -	TUFFKOTE ZILIKATE MZ 750	EPIGARD XL HB MIO 800	SHALITHANE HPUV FD	SHALITHANE HPUV FD

Chemical Resistance Guide (with suitable top coat)

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

21 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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