



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

SHALITHANE FINISH

Data Sheet No. SPL/PMG/2019100045

A two pack polyurethane cured with aliphatic poly isocyanate high gloss top coat with outstanding weathering resistance and colour retention properties. Due to its excellent toughness and chemical resistance properties, it finds extensive use in medium corrosive environment.

Product Information

Colour	Selected Range
Finish	Glossy
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1
Volume Solids	45 ± 2 %
Recommended dry film thickness	30 – 40 microns
Corresponding wet film thickness	67 – 89 microns
Theoretical Spreading Rate	15.0 – 11.25 Sq.m/ltr
Drying time @ 30°C	Touch dry 1 – 2 hours Handle Dry 8 – 12 hours Full cure 7 days
Interval before Over- coating	Minimum 12 hours Maximum 5 days
Volatile organic Compound (VOC)	470 gm/ltr (EPA Method 24)
Storage Life	12 months minimum @ 30°C if stored in sealed container in a dry and 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 overcoating interval and if required sufficiently roughened by emery paper.

This product can be applied over 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	6 - 8 hours
Thinner	PU Thinner

Notes on Air Spray

Nozzle Orifice – 0.8 mm to 1.2 mm
Nozzle Pressure – 0.3-0.4 Mpa

Uses

Suitable as topcoat for Fertiliser Plants, Petrochemical Units, Chemical Plants & Power Plants.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	Epigard Zinc Rich Primer / Tuffkote Zilicate IZS	Epigard HB MIO	Shalithane Finish	Shalithane Finish
- Do -	Epigard Zinc Phosphate Primer	Epigard HB MIO	Shalithane Finish	Shalithane Finish
- Do -	Epiplus 556	Shalithane Finish	Shalithane Finish	

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

4 & 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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