



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

SHALITHANE ACRYLIC PU FINISH

Data Sheet No. SPL/PMG/2019100077

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

Product Information

| | |
|---|---|
| Color | Selected Range (White) |
| Finish | Glossy |
| Flash Point | Above 25° C |
| Mixing Ratio (By Volume) | Base : Accelerator 9 : 1 |
| Volume Solids | 45 ± 2 % |
| Recommended dry film thickness | 30 - 40 microns |
| Corresponding wet film thickness | 70 – 90 microns |
| Theoretical Spreading Rate | 15.0 – 11.25 Sq.metre/litre |
| Drying time @ 30°C | Touch dry 1 - 2 Hours Handle dry 6 - 8 Hours Hard dry 10 – 16 Hours Full Cure 7 Days |
| Interval before Over-coating | Minimum 18 Hours Maximum Indefinite |
| 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 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 surface 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 – 0.80 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 | TUFFKOTE ZILICATE MZ/EPIGARD HB ZP PRIMER/EPIPLUS 556 SUPERBUILD ST COATING/EPIGARD EPOXY ZINC RICH PRIMER | EPIGARD HB MIO / EPIGARD MIO INTERMEDIATE | SHALITHANE ACRYLIC PU FINISH | SHALITHANE ACRYLIC PU FINISH |
| Concrete Surface | EPIGARD HP OFF WHITE PRIMER | SHALITHANE ACRYLIC PU FINISH | SHALITHANE ACRYLIC PU 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

10 & 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.