



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIPLUS SHB 556 MIO AL

Data Sheet No. SPL/PMG/20211000441

A two pack polyamidoamine cured modified epoxy super high build mastic surface tolerant mastic coating designed for application on manually cleaned steel surface. The product can be applied over most of the tightly adhering aged coatings and recommended as maintenance primer with suitable top coats. This product contain both on laminar micaceous iron oxide (MIO) and Aluminums pigment

Product Information

| | |
|---|---|
| Color | Aluminum / Grey |
| Finish | Smooth & Semi-glossy |
| Flash Point | Above 23° C |
| Mixing Ratio (By Volume) | Base : Accelerator 3 : 1 |
| Volume Solids | 90 ± 3 % |
| Recommended dry film thickness | 125 - 170 microns |
| Corresponding wet film thickness | 139 – 190 microns |
| Theoretical Spreading Rate | 7.2 – 5.3 Sq.m/ltr |
| Drying time @ 30°C | Touch dry 4 - 6 hours Handle dry 18 – 24 hours Full cure 7 Days |
| Interval before Over-coating | Minimum 24 hours Maximum Depends on condition |
| Volatile organic Compound (VOC) | 130 gm/ltr (EPA 24 method) |
| 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) |

Uses

For use in Containment areas of any Power Plants, Tanks, structural & Pipelines of Refinery, offshore platforms, Power Plants, Fertilizer Plants, Chemical Factories.

Surface Preparation

Steel Surface

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 8504:2000.

This product is recommended to apply over Sa 1 abrasive cleaning and also hand/power tool cleaning to St2(ISO 8501-1:1988)

This product can be applied on the aged coating after removing loose coating
For damage area rectification please contact the Technical team of Shalimar Paints

Application Details

Method of Application

Brush / Roller /Airless Spray/ Air Spray

Notes on Airless Spray

| | |
|----------------|---------------------|
| Tip Range | 21 – 29 thou. |
| Total Output | 2100-2500 psi. |
| Fluid 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

In common with all epoxies, this product may chalk on exposure. Discolouration also occurs under certain exposure conditions, but this is not detrimental to coating's performance.

Typical System Selection Guide

| SURFACE | 1 ST COAT | 2 ND COAT | 3 RD COAT | 4 TH COAT |
|---------|------------------------|---|--|---|
| Steel | Epiplus SHB 556 MIO AL | Epigard XL HB MIO | Shalithane Finish/ Shalithane HB Finish / Shalithane HPUV Finish | Shalithane Finish/ Shalithane HB Finish / Shalithane HPUV Finish |
| - Do - | -do- | Epigard XL HB MIO | Epigard Finish/ Epigard Epoxy Finish/ Epigard XL HB Finish | Epigard Finish/ Epigard Epoxy Finish/ Epigard XL HB Finish |
| - Do - | -do- | Bipigard CTE XL / Bipigard 580 HB CTE | Bipigard CTE XL / Bipigard 580 HB CTE / BIPIGARD COALTAR 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

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.