



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIGARD SHBN PRIMER

Data Sheet No. SPL/PMG/2019100065

A two pack polyamide cured modified epoxy high build primer & zinc phosphate pigment for excellent protection to steel in industrial corrosive environment . The red version contains red oxide of iron apart from zinc phosphate.

Product Information

Color	Grey / Red
Finish	Matt
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base : Accelerator 6 : 1
Volume Solids	55 ± 3%
Recommended dry film thickness	75 - 100 microns
Corresponding wet film thickness	140 - 185 microns
Theoretical Spreading Rate	7.3 – 5.5 Sq.m/ltr
Drying time @ 30°C & RH -50	Surface dry 1 - 2 hours Handle dry 4 - 6 hours Hard Dry 16-18 hours Full cure 7 days
Interval before Over- coating	Minimum 18 hours Maximum 7 days
Volatile organic Compound (VOC)	390 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 must be clean, dry & free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Abrasive blast clean to SA 2½ is recommended.

If abrasive blast cleaning is not possible it is recommended to hand tool/power tool clean to St2 or St3 before application of this product.

For Damage area rectification contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application

Air Spray / Airless Spray / Brush / Roller

Notes on Airless Spray

Tip Range	21 – 26 thou.
Total Output	2500 – 3000 psi.
Fluid Pressure	(176 - 210 kg/sq.cm.)
Pot Life	3 - 5 hours
Thinner	Thinner 6756

Notes on Air Spray

Nozzle Orifice – 1.5 mm to 3 mm
Nozzle Pressure – 0.3-0.4 Mpa

Uses

Suitable as primer for new for various industries like offshore, power, petrochemical, chemical, Pulp & paper etc

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	Epigard SHBN Primer	Epigard HB MIO EPIGARD XL HBN MIO RED	Epigard Finish/Epigard Finish/ Shalithane Finish/ Shalithane SHBN Finish	Epigard Finish/Epigard Finish/ Shalithane Finish/ Shalithane SHBN Finish
- Do -	-do-	Epigard XL HB MIO	Epigard XL HB Finish/ Shalithane Finish/shalithane SHBN Finish	-
- Do -	-do-	Bipigard CTE XL / 580 HB CTE	Bipigard CTE XL / 580 HB CTE	-

Chemical Resistance Guide (with suitable top coat)

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

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.