



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPICURE 80 ZMP

Data Sheet No SPL/PMG/20191000721

A two pack polyamidoamine cured epoxy high build primer with a high level of anti-corrosive Zinc phosphate and Micaceous Iron oxide (MIO) pigment loading for excellent protection to steel in severely corrosive environment.

Product Information

Color	Grey
Finish	Eggshell to semi glossy
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1
Volume Solids	80 ± 3 %
Recommended dry film thickness	125 - 180 microns
Corresponding wet film thickness	156 - 225 microns
Theoretical Spreading Rate	6.4 – 4.4 Sq.m/ltr
Drying time @ 30°C & RH -50	Surface dry 1.5-2.0 hours Hard Dry 6 – 10 hours Full curing 7 days
Interval before Over- coating @ 30°C & RH -50	Minimum 6 hours Maximum Indefinite
Volatile organic Compound (VOC)	170 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 150°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.

For Damage area rectification and hand tool and power tool cleaning contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application

Airless Spray/Air Spray/brush/Roller

Notes on Airless Spray

Tip Range	21 – 25 thou.
Total Output	2500 – 3500 psi.
Fluid Pressure	(176 - 246 kg/sq.cm.)
Pot Life	1 – 1.5 hours
Thinner	Thinner 6756

Notes on Air Spray for only touch up

Nozzle Orifice – 1.6mm to 2.0 mm
Nozzle Pressure – 0.3-0.4 Mpa

Uses

Suitable as primer coat for heavy duty systems for Structural Steel, Pipelines, interior and exterior of storage tanks for Fertilizer plants, Refineries & Petrochemical units, Chemical units, Offshore Platforms, Power Plants etc.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT
Steel	EPICURE 80 ZMP	SHALITHANE 57 UV	SHALITHANE 57 UV

Chemical Resistance Guide (with suitable top coat)

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