



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

### EPIGARD HP OFF WHITE PRIMER

Data Sheet No. SPL/PMG/2019100007

A two pack polyamide cured epoxy primer specially designed for concrete surface, floor etc. The primer acts as a chemical resistant impermeable sealer coat for concrete and other cementitious surfaces.

#### Product Information

Color	Off White
Finish	Matt to Eggshell
Flash Point	Above 23°C
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1
Volume Solids	40 ± 2 %
Recommended dry film thickness(per coat)	30 microns
Corresponding wet film thickness(per coat)	75 microns
Theoretical Spreading Rate(per coat)	13.3 Sq.m/ltr
Drying time @ 30°C & RH -50	Touch dry      30 minutes Handle dry     4 hours Full cure        7 days
Over coating Interval	Minimum      18 hours Maximum      7 days For optimum inter-coat adhesion overcoat within 48 hours.
Volatile organic Compound (VOC)	550 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 (Intermittent)	Up to 150°C

#### Surface Preparation

##### Concrete Surfaces

For new concrete surface: Ensure that the surface is cured for minimum 28 days. Remove laitance, loose surface powder by light sand blasting. If blast cleaning is not feasible, roughen the surface by acid etching with 10% Hydrochloric Acid solution followed by thorough freshwater hosing to remove any residual acid. The surface should be perfectly dry and clean before applying Epigard HP Off-white Primer.

For old concrete surface: Remove grease, oil etc by solvent wiping. Remove water-soluble contaminants by fresh water hosing. Roughen the surface by acid etching, if light sand blasting is not feasible. The surface should be perfectly dry and clean before applying Epigard HP Off-white Primer.

*For Specific requirements please contact the Technical team of Shalimar Paints.*

#### Application Details

##### Method of Application

Brush / Roller / Spray

##### Notes on Airless Spray

Tip Range	18 - 21 thou
Total Output Fluid	2500 – 3000 psi.
Pressure	(176 - 210 kg/sq.cm.)
Pot Life	4 - 6 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 concrete surface with suitable subsequent coat for Chemical factories, Fertilizer units, Chloro-alkali plants, Petrochemical units, Pharmaceutical industries etc.



### Typical System Selection Guide

SURFACE	1 <sup>ST</sup> COAT	2 <sup>ND</sup> COAT	3 <sup>RD</sup> COAT
Concrete	Epigard HP Off white Primer	Epigard XL HB Finish / Epigard Finish	Epigard XL HB Finish/ Epigard Finish
- Do -	- do -	Bipigard CTE XL / Bipigard 580 HB CTE	Bipigard CTE XL/ Bipigard 580 HB CTE
- Do -	- do -	Shalithane Finish/ Shalithane HBN Finish	Shalithane Finish/ Shalithane HBN Finish
- Do	- do -	Epigard Solventless Epoxy	Epigard Solventless Epoxy

### 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

1,4 & 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

**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.