



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIPLUS 75 ST GF

Data Sheet No. SPL/PMG/201910002611

A two pack, rapid cure, low VOC high build epoxy coating reinforced with chemically inert glass flake for application on manually cleaned steel surface for enhanced durability and corrosion resistance of steel structures in all corrosive environment including splash zone areas of offshore structures. This product can be applied over most of the tightly adhering aged coatings and concrete surface..

Product Information

Color	Selected Range
Finish	Semi-glossy to Eggshell
Flash Point	Above 25°C
Mixing Ratio (By Volume)	Base : Accelerator 4 : 1
Volume Solids	75 ± 3 %
Recommended dry film thickness	150 - 250 microns
Corresponding wet film thickness	200 - 333 microns
Theoretical Spreading Rate	5.0 – 3.0 Sq.m / litre
Drying time @30°C	Surface dry 3-5 hours Full cure 7 days
Interval before Over-coating @30°C	Minimum 5 hours Maximum Depends on conditions
Volatile organic Compound (VOC)	220 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 150°C (Intermittent)

Uses

Both Maintenance and new project painting for highly aggressive corrosion area of any Fertilizer Plants, onshore and offshore structures, Chemical Factories, Refineries, Petrochemical units, Marine & Port Installations.

Surface Preparation

Steel Surfaces

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.

This product required abrasive blasting to Sa 2½
This product is applied on tightly adhered aged/Old Coating.

It is recommended to hand tool/ power tool cleaning upto St2 or St3 before application of this this product

For damage area rectification and concrete coting, please contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application

Brush / Roller / Airless Spray

Notes on Airless Spray

Tip Range	21 – 29 thou.
Total Output	2100-2500 psi.
Fluid Pressure	(147-196 kg/sq.cm.)
Pot Life@30°C	3 - 4 hours
Thinner	Thinner 6756

Application by air spray not recommended

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 performance.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	EPIPLUS 75 ST GF	Epiplus Superbuild GF Coating	Epiplus Superbuild GF Coating	
- Do -	EPIPLUS 75 ST GF	Epigard XL HB Finish	Shalithane Finish/Shalithane 57 UV	Shalithane Finish/Shalithane 57 UV
-Do-	EPIPLUS 75 ST GF	EPIPLUS 75 ST GF	Epigard 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

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