



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPIPLUS SUPERBUILD ST GF COATING

Data Sheet No. SPL/PMG/2019100090

A two pack, low VOC, high build epoxy, surface tolerant, mannich base coating, reinforced with inert micronized glass flake for suitable application on manually cleaned steel and concrete surface in all types of corrosive environment including off-shore and onshore structures. This product can be applied over most of the tightly adhering aged coatings and concrete surfaces. This is suitable for application in moist environment. It finds wide application as maintenance Primer and self-priming Finish.

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	85 ± 3 %
Recommended dry film thickness	200 - 350 microns
Corresponding wet film thickness	235 - 415 microns
Theoretical Spreading Rate	4.25 – 2.42 Sq.m / litre
Drying time @30°C	Touch dry 4-6 hours Hard dry 12 hours Full cure 7 days
Interval before Over-coating	Minimum 18 hours Maximum Depends on conditions
Volatile organic Compound (VOC)	150 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

Highly aggressive Maintenance painting for Drilling Rigs and Platforms 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	6 - 8 hours
Thinner	Thinner 6756

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 Superbuild ST GF Coating	Epiplus Superbuild ST GF Coating	Epiplus Superbuild GF Coating	Epiplus Superbuild GF Coating
- Do -	- do -	Epigard XL HB Finish	Shalithane Finish	Shalithane Finish
Concrete Surface	Epiplus Superbuild ST GF Coating	Epiplus Superbuild ST GF Coating	Shalithane 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.