



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

EPISHIELD GLASS FLAKE EPOXY COATING

Data Sheet No. SPL/PMG/20191000261

A two pack 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	Brown / Dark Grey
Finish	Semigloss
Flash Point	Above 20°C
Mixing Ratio (By Volume)	Base: Accelerator 2 : 1
Volume Solids	90 ± 3 %
Recommended dry film thickness	200 - 300 microns
Corresponding wet film thickness	220 - 335 microns
Theoretical Spreading Rate	4.5 – 3.0 Sq.m/ltr
Drying time @ 30°C	Touch dry 3 – 4 hours Handle dry 18 hours Full curing 7 days
Interval before Over-coating	Minimum 18 hours Maximum Depends on conditions
Volatile organic Compound (VOC)	130 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)

Uses

Maintenance painting for Drilling Rigs and Platforms Fertilizer Plants, onshore and offshore structures, Chemical Factories, Refineries, Petrochemical units, Marine & Port Installations.

Surface Preparation

Steel

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000.

This product is recommended to apply over Sa 1 abrasive cleaning and also hand/power tool cleaning to St2 (ISO 8501-1:1988)

This product can so be applied on the aged coating after removing loose coating.

For damage area rectification 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

The finish tends to chalk when prolonged exposure to sunlight although protective properties of the film remain practically unaffected.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 rd COAT	4 th COAT
Steel	Epishield ST Glass Flake Epoxy Coating	Epishield ST Glass Flake Epoxy Coating	Epishield Glass Flake Epoxy Coating	Epishield Glass Flake Epoxy Coating
Concrete Surface	Epishield ST Glass Flake Epoxy Coating	Epishield ST Glass Flake Epoxy Coating	Epishield Glass Flake Epoxy Coating	Epishield Glass Flake Epoxy Coating

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

15 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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