



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

TUFFKOTE BITUMINOUS ALUMINIUM

Data Sheet No. SPL/PMG/2019100166

A two pack Bituminous paint reinforced with Aluminium flakes which is highly resistant to moisture, saline water & general corrosive conditions. It is excellent for protection of structures underwater and underground installations and also for various unexposed parts of structures, machines etc. which are prone to corrosion because of entrapment of moisture.

Product Information

Color	Metallic Brown	
Finish	Semi glossy with low metallic lustre	
Flash Point	Above 30°C	
Mixing Ratio (By Volume)	17.5 : 2.5	
Volume Solids	45 ± 2 %	
Recommended dry film thickness	25 - 30 microns	
Corresponding wet film thickness	56 - 67 microns	
Theoretical Spreading Rate	18.0- 15.0 Sq.m/ltr	
Drying time @ 30°C	Touch dry	15 minutes
	Hard dry	4 hours
Interval before Over-coating	Minimum	4 hours
	Maximum	Indefinite
Volatile organic Compound (VOC)	490 gm/ltr (EPA Method 24)	
Storage Life	12 months minimum @ 30°C if stored in dry sealed container at shaded condition away from heat source and ignition warehouse storage condition	
Heat Resistance	Up to 120 °C for Dry heat	

Uses

It is suitable for protection of pipes, coal bunkers, pipelines, structures inside chemical factories,, concrete pilings etc.

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. If Abrasive blast cleaning is not possible it is recommended to hand tool/ power tool cleaning up St2 or St3 before application of this product.

Concrete Substrate

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 this coat.

For damage area rectification please contact the Technical team of Shalimar Paints Limited.

Application Details

Method of Application

Air Spray/Airless spray / Brush / Roller

Notes on Airless Spray

Tip Range	15 - 21 thou.
Total Output Fluid Pressure	2000 – 2500 psi. (141 - 176 kg/sq.cm.)
Thinner	Thinner 6751

Notes on Air Spray

Nozzle Orifice – 0.8 mm to 1.2 mm
Nozzle Pressure – 0.3-0.4 Mpa

Typical System Selection Guide

SURFACE	1ST COAT	2ND COAT	3RD COAT
Steel	Tuffkote Bituminous Aluminium	Tuffkote Bituminous Aluminium	Tuffkote Bituminous Aluminium

Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Salt	Water
SPLASH & SPILLAGE	Marginally Fair	Marginally Fair	Good	Excellent
FUMES & OUTDOOR EXPOSURE	Marginally Fair	Marginally Fair	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. 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.
5. Use of thinners other than supplied or approved by Shalimar may adversely affect product performance
6. Drying is dependent on temperature, relative humidity and thickness; ranges is given for considering those parameters
7. 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
8. Request for details information of surface preparation, paint application on the recommended coating system

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