



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

TUFFKOTE PHENOLIC MODIFIED

Data Sheet No. SPL/PMG/2019100111

A single pack alkyd based modified with phenolic resin topcoat with good weather resistance and gloss. This product can be used over wide range aged applied primer and intermediate.

Product Information

Color	Selected range
Finish	Glossy
Flash Point	Above 25°C
Volume Solids	32 ± 2 %
Recommended dry film thickness	20 - 30 microns
Corresponding wet film thickness	65 - 95 microns
Volatile Organic Compound (VOC)	580 gm/ltr (EPA Method 24)
Theoretical Spreading Rate	16.00 – 10.66 Sq.m/ltr
Drying time @ 30°C	Touch Dry 1- 2 Hours Hard Dry 4 Hours Full cure 7 Days
Interval before Over-coating	Minimum 12 Hours Maximum Indefinite
Storage Life	12 months minimum @ 30°C if stored in a dry sealed container at shaded condition away from heat source and ignition

Surface Preparation

Steel Surface

Surface 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.

It is always recommended to apply suitable primer coat before application of this product. Ensure surface to be coated is dried and followed over-coating interval and if required sufficiently roughened by emery paper.

This product can be applied after Hand & Power tool cleaning to St2 & St3.

For damage area rectification 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	1900 – 2800 psi. (147- 196 kg/sq.cm)
Thinner	Thinner 6751

Notes on Air Spray

Nozzle Orifice – 0.8 mm to 1.8 mm
Nozzle Pressure – 0.3-0.4 Mpa

Uses

Suitable as topcoat for industrial exposure including Structural steel, External Tankages, equipment's above ground pipelines, Cranes, Machinery & Mining Equipments at Industrial corrosive environment.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	Tuffkote HB Zinc Phosphate Primer	Tuffkote HB MIO	TUFFKOTE PHENOLIC MODIFIED	TUFFKOTE PHENOLIC MODIFIED

Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Solvents	Salt	Water
SPLASH & SPILLAGE	-	-	-	Fair	Good
FUMES & OUTDOOR EXPOSURE	Fair	Fair	Fair	Fair	Very Good

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- consult 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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