



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

GP SYN UC ENAMEL TO IS 2933

DATA SHEET No. SPL/PMG/202110007014

A single pack alkyd based premium synthetic undercoating enamel with good weather resistance and gloss. This is designed essentially for application on steel, concrete and wooden substrates in normal industrial environment; this product meets all requirements of IS 2933 Specification of Undercoating.

Product Information

Color	Selected range
Finish	Smooth & matt
Flash Point (closed Cup)	Above 30°C
Volume Solids	42 ± 2 %
Recommended dry film thickness	20 - 30 microns
Corresponding wet film thickness	48 - 72 microns
Theoretical Spreading Rate	21.00 – 14.00 Sq.m/ltr
Drying time @30°C	Hard Dry 12 Hours Full cure 7 Days
Interval before Over-coating	Minimum 12 Hours Maximum Indefinite
Volatile Organic Compound(VOC)	490 gm/ltr (as per 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

Surface Preparation

Steel Surfaces

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 8504:1992.

It is always recommended to apply recommended primer coat before application of this product. Ensure surfaces to be coated is dried and followed over-coating interval and if required sufficiently roughened by emery paper. This product can be applied by Hand & Power tool cleaning to St2 & St3

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	13 - 26 thou.
Total Output Fluid	2100 – 2800 psi.
Pressure	(147- 196 kg/sq.cm.)
Thinner	Thinner 6751

Notes on Air Spray

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

Uses

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

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	SHALIKOTE ROZP PRIMER TO IS 12744	TUFFKOTE HB MIO	GP SYN UC ENAMEL TO IS 2933	GP SYN FIN ENL TO IS 2933
- Do -	SHALIKOTE ROZP PRIMER TO IS 12744	SHALIKOTE ROZP PRIMER TO IS 12744	GP SYN UC ENAMEL TO IS 2933	GP SYN FIN ENL TO IS 2933

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 representative

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 points.
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

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.