



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

LUSTROTHERM HS SILICONE ALUMINIUM

Data Sheet No. SPL/PMG/2019100100

A single pack silicone resin based heat resistant aluminium paint specially designed for protection of steel surface operating between 250°C – 500 °C dry heat. It has outstanding weather resistance and protection in industrially polluted atmosphere.

Product Information

Color	Aluminium
Finish	Bright metallic
Flash Point	Above 23°C
Volume Solids	21 ± 2 %
Recommended dry film thickness	20 – 25 microns
Corresponding wet film thickness	95 - 120 microns
Theoretical Spreading Rate	10.5 – 8.4 Sq.m/ltr
Drying time	Dust free 4 hours
Curing	Apply 1 st coat. Air dry for 24 hrs. Alternatively heat cure @ 200°C for 1 hour after 4 hours of air drying. Apply 2 nd coat. Allow it to dry overnight and then gradually raise the temperature to working temperature.
Interval before Over-coating	Minimum 24 hours Maximum Unlimited
VOC	730 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	250° C - 500° C (Continuous)

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 surfaces to be coated is dried and followed overcoating interval and if required sufficiently roughened by emery paper.

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

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

Application Details

Method of Application

Brush / Conventional Spray

Notes on Air Spray

Nozzle Orifice – 0.8 mm to 1.2 mm

Nozzle Pressure – 0.3-0.4 Mpa

Thinner | 6752

Uses

Suitable as topcoat for Chimneys, Flare Stacks, Exhausts, Pipe works, Incinerators and similar surfaces exposed to dry heat attack in the range of. 250°C – 500°C.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT
steel	Tuffkote Zilicate Z85	Lustrotherm HS Silicone Aluminium	Lustrotherm HS Silicone Aluminium
- Do -	Lustrotherm HS Silicone Aluminium	Lustrotherm HS Silicone Aluminium	

Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Solvents	Salt	Water
SPLASH & SPILLAGE	poor	poor	Fair	Fair	Fair
FUMES & OUTDOOR EXPOSURE	Good	Good	Good	Good	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. s

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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