



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

LUSTROTHERM 45 SILICONE ALUMINIUM

Data Sheet No. SPL/PMG/20191001001

A single pack high performance heat resistant finishing paint based on moisture curing silicon resin and aluminium pigmentation for heat resistance upto 550 Deg C. The moisture curing technology allows multiple coats to be applied without heat curing of each individual coating. This coating along with inorganic zinc silicate primer provides long term protection to steel surface exposed to severe coastal or industrial environment.

Product Information

Color	Aluminium	
Finish	Bright metallic	
Flash Point	Above 23°C	
Volume Solids	45 ± 2 %	
Recommended dry film thickness	20 – 35 microns	
Corresponding wet film thickness	44 - 77 microns	
Theoretical Spreading Rate	22.5 – 12.8 Sq.m/ltr	
Drying time @ 30 Deg C	Surface dry	4 hours
	Hard dry	6 Hours
Interval before Over-coating	Minimum	6 hours
	Maximum	Unlimited
VOC	570 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	Upto 550 DEG C on Blast Cleaned Surface Upto 400 DEG C on Mechanically Cleaned Surface	

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

Thinner | 6752

Uses

Suitable for painting of Chimneys, Flare Stacks, Exhausts, Pipe works, Incinerators and similar surfaces exposed to dry heat attack

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT
steel	Tuffkote Zilicate Z85	Lustrotherm 45 Silicone Aluminium	Lustrotherm 45 Silicone Aluminium
- Do -	Lustrotherm 45 Silicone Aluminium	Lustrotherm 45 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

1,4 & 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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