



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

### TUFFKOTE HB MIO COATING

Data Sheet No. SPL/PMG/2019100110

A high build anticorrosive coating based on phenolic modified alkyd resin and lamellar micaceous iron oxide pigment. The paint imparts tough abrasion resistance and durable film with excellent impermeability .

#### Product Information

|   |   |
|---|---|
| <b>Color</b>                            | Grey/Brown  |
| <b>Finish</b>                           | Matt  |
| <b>Flash Point</b>                      | Above 30°C  |
| <b>Volume Solids</b>                    | 42 ± 2 %  |
| <b>Recommended dry film thickness</b>   | 35- 50 microns  |
| <b>Corresponding wet film thickness</b> | 83 - 119 microns  |
| <b>Theoretical Spreading Rate</b>       | 12.0 – 8.4 Sq.m/ltr   |
| <b>Drying time @ 30°C</b>               | Touch dry      2 – 3 Hours<br>Hard Dry        8 –10 Hours   |
| <b>Interval before Over-coating</b>     | Minimum        18 Hours<br>Maximum        Indefinite  |
| <b>Volatile Organic Compound (VOC)</b>  | 490 gm/ltr (EPA Method 24)  |
| <b>Storage Life</b>                     | 12 months minimum @ 30°C if stored in a dry sealed container at shaded condition away from heat source and ignition |
| <b>Dry Heat Resistance</b>              | Up to 100°C (Intermittent)  |

#### 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 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

Air Spray / Airless Spray / Brush / Roller

##### Notes on Airless Spray

|                    |                      |
|--------------------|----------------------|
| Tip Range          | 19 – 23 thou.        |
| Total Output Fluid | 2100 – 2800 psi.     |
| Pressure           | (147- 196 kg/sq.cm.) |
| Thinner            | Thinner 6751         |

##### Notes on Air Spray

Nozzle Orifice – 1.2 mm to 1.8 mm  
Nozzle Pressure – 0.3-0.4 Mpa

#### Uses

Suitable as intermediate coat for industrial exposure including Structural steel, External Tankages, equipments above ground pipelines, Cranes, Machinery & Mining Equipments at Industrial corrosive environment

# TUFFKOTE HB MIO COATING

## Typical System Selection Guide

| SURFACE | 1 <sup>ST</sup> COAT                       | 2 <sup>ND</sup> COAT       | 3 <sup>RD</sup> COAT                                  | 4 <sup>TH</sup> COAT                                  |
|---------|--|----------------------------|---|---|
| Steel   | Tuffkote HB<br>Zinc<br>Phosphate<br>Primer | Tuffkote HB MIO<br>coating | Lustrol HR<br>Aluminium/TUFFKOTE<br>PHENOLIC MODIFIED | Lustrol HR<br>Aluminium/TUFFKOTE<br>PHENOLIC MODIFIED |
| -do-    | do   | Tuffkote HB MIO<br>coating | TUFFKOTE PHENOLIC<br>MODIFIED                         | TUFFKOTE PHENOLIC<br>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

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

**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.