



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

ACID /ALKALI RESIST BLACK TO IS 9862

Data Sheet No. SPL/PMG/2019100117

An economical and excellent anticorrosive coating based on bitumen to provide protection for steel and concrete. It is also having low permeability to moisture along with excellent water repellence. Suitable for surfaces in contact with fresh or salt water.

### Product Information

Color	Black
Finish	Semi-glossy
Flash Point	Above 30°C
Volume Solids	45 ± 2%
Recommended dry film thickness	35-50 microns
Corresponding wet film thickness	77-111 microns
Theoretical Spreading Rate	12.85-9.0 Sq.m/ltr
Drying time@30°C	Touch dry 2-4 Hours Hard dry 8- 10 Hours Minimum 8 Hours
Volatile organic Compound (VOC)	480 gm/ltr
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	Up to 100°C (Intermittent)

### Uses

This is suitable for underside of tank bottom, concrete piling, gas holders, coal banker, Railway track and concrete building, Cement Industries, MS and Ductile pipes etc

### Surface Preparation

#### Steel Surface

Surface must be clean, dry & free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Abrasive blast clean to SA 2½ is recommended. If Abrasive blast cleaning is not possible it is recommended to hand tool / power tool cleaning up St2 or St3 before application of this product.

#### Concrete Substrate

Ensure that the surface is cured for minimum 28 Days. Remove laitance, loose surface powder by light sand blasting. If blast cleaning is not feasible, roughen the surface by acid etching with 10% Hydrochloric Acid solution followed by thorough freshwater hosing to remove any residual acid. The surface should be perfectly dry and clean before applying this coat.

*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	11 - 15 thou.
Total Output Fluid Pressure	1600 – 2300 psi. (110 - 160 kg/sq.cm.)
Thinner	Thinner 6752

#### Notes on Air Spray

Nozzle Orifice – 1.0 mm to 3 mm  
Nozzle Pressure – 0.3-0.4 Mpa

## 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 & 200 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.*