



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

TUFFKOTE HIGH BUILD BITU BLACK

Data Sheet No. SPL/PMG/20191001115

A high build anti-corrosive black paint based on a special type bitumen medium containing phenolic resins with inert pigmentation. This ultimately cures to a tough abrasion resistant coating having excellent water resistance and also resistance to mild acid, alkali & chemicals.

Product Information

Color	Black
Finish	Eggshell to Semi glossy
Flash Point	Above 30°C
Mixing Ratio (By Volume)	Single pack
Volume Solids	56 ± 2 %
Recommended dry film thickness	75-100 microns
Corresponding wet film thickness	134-179 microns
Theoretical Spreading Rate	7.5- 5.6 Sq.m/ltr
Drying time @ 30°C	Surface dry 4-6 hours Handle dry 24-48 hours Full Cure 7 days
Interval before Over- coating	Minimum 24 hours Maximum Indefinite
Volatile organic Compound (VOC)	385 gm/ltr (EPA Method 24)
Storage Life	12 months minimum @ 30°C if stored in dry sealed container at shaded condition away from heat source and ignition warehouse storage condition
Heat Resistance	Up to 250 °C for Dry heat

Uses

It is suitable for protection of pipes, barrage gates, penstocks, coal bunkers, pipelines, structures inside chemical factories, underframes of railway coaches and lorries, marine installations, concrete jetties, pilings 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	15 - 23 thou.
Total Output Fluid Pressure	2000 – 2500 psi. (141 - 176 kg/sq.cm.)
Thinner	Thinner 6751

Notes on Air Spray

Nozzle Orifice – 1.2 mm to 3 mm
Nozzle Pressure – 0.3-0.4 Mpa

Typical System Selection Guide

SURFACE	1ST COAT	2ND COAT	3RD COAT
Steel	Tuffkote HB Bitu Black	Tuffkote HB Bitu Black	Tuffkote HB Bitu Black

Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Salt	Water
SPLASH & SPILLAGE	Fair	Good	Good	Excellent
FUMES & OUTDOOR EXPOSURE	Fair	Very Good	Good	Excellent

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 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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