



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

BIPIGARD CTE UHBC

Data Sheet No. SPL/PMG/2019100097

A low VOC, two component coal tar epoxy paint polyamine cured providing Ultra high thickness in dry film once applied in single coat. The cured film imparts excellent water resistance properties along with resistance to mild acid and alkali impurities. It exhibits good cathodic disbondment properties. This product meets all performance tests of IS:14948 / 2001

Product Information

Color	Black
Finish	Semigloss
Flash Point	Above 25°C
Mixing Ratio (By Volume)	Base :Accelerator 3 : 1
Volume Solids	90 ± 3 %
Recommended dry film thickness	200 – 500 microns
Corresponding wet film thickness	222 – 556 microns
Theoretical Spreading Rate	4.5 - 1.8Sq.m/ltr
Drying time @ 30°C	Touch Dry 1-2 hours Handle Dry 2-3 hours Full cure 7 days
Interval before Over- coating	Minimum 8 hours Maximum 24 hours
Volatile organic Compound (VOC)	150 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	Up to 120°C (Intermittent)

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 clean to St2 or St3 before application of this product.

For Damage area rectification contact the Technical team of Shalimar Paints Limited

Application Details

Method of Application: Airless Spray / Brush /
Plural Component Spray gun

Tip Range	21 – 29 thou.
Total Output Fluid Pressure	2500-3000 psi. (210 kg/sq.cm.)
Pot Life	3 - 4 hours
Thinner	Thinner 6756

Uses

Refineries & Petrochemical Units, Power Plants, Gas Plants, Fertilizer Plants, Chemical Plants, Pulp & Paper Mills, Internal & External pipe coating, submerged surfaces, crude & fuel oil tanks.

Ballast water tanks, pipelines, splash zone areas, jetties etc.

Typical System Selection Guide

SURFACE	1 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	Epigard Zinc Rich / Tuffkote Zilicate / Epigard Zinc Phosphate Primer	Bipigard CTE UHBC	Bipigard CTE UHBC	-
- Do -	- do -	Epigard HB MIO Brown/Grey	Bipigard CTE UHBC Black	Bipigard CTE UHBC
- Do -	Epiplus 556	Bipigard CTE UHBC	Bipigard CTE UHBC	-
Concrete Surface	Epigard HP Off White Primer/ Bipigard CTE UHBC	Bipigard CTE UHBC	Bipigard CTE UHBC	-

Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Solvents	Salt	Water
SPLASH & SPILLAGE	Good	Good	Poor	Excellent	Excellent
FUMES & OUTDOOR EXPOSURE	Good	Good	Poor	Excellent	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 & 800 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. Use material within stipulated pot life
5. 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.
6. Use of thinners other than supplied or approved by Shalimar may adversely affect product performance
7. Drying is dependent on temperature, relative humidity and thickness; ranges is given for considering those parameters
8. 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
9. 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.