



**SHALIMAR  
PAINTS**

# TUFFKOTE

PROTECTIVE COATINGS

EPICURE CUI COATING

Data Sheet No. SPL/PMG/20191000171

A two component highly crosslinked, epoxy phenolic high build which renders excellent properties of corrosion and chemical resistance at high temperature service. The Technology involves epoxy phenolic coating based upon novolac resin. Epicure CUI Coating is a next generation epoxy phenolic coating based upon novolac resin technology.

## Product Information

<b>Color</b>	Selected Range	
<b>Finish</b>	Eggshell to Semigloss	
<b>Flash Point</b>	Above 23°C	
<b>Mixing Ratio (By Volume)</b>	Base : Accelerator 6 : 1	
<b>Volume Solids</b>	70±2%	
<b>Recommended dry film thickness</b>	125 - 150 microns	
<b>Corresponding wet film thickness</b>	179 - 214 microns	
<b>Theoretical Spreading Rate</b>	5.6 – 4.67 Sq.m/ltr	
<b>Drying time @ 30° C</b>	Touch dry	4 hours
	Handle dry	10 - 12 hours
	Full cure	7 days
<b>Interval before Over-coating</b>	Minimum	16 hours
	Maximum	3 days
<b>Volatile Organic compound (VOC)</b>	275 gms/ltr (EPA Method 24)	
<b>Storage Life</b>	Up to 12 months so long as the material is stored in a sealed containers under standard warehouse storage conditions	
<b>Dry Heat Resistance</b>	Up to 220°C (Intermittent)	

## USES

Suitable for highly corrosive environment including insulated and uninsulated steel structures like pipes, vessels etc. and can further be used where thermal shock is there

## Surface Preparation

### Steel Surfaces

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.

it is recommended to hand tool/ power tool cleaning upto St2 or St3 before application when abrasive cleaning is not possible

This product can be applied on tightly adhered aged/Old Coating.

*For damage area rectification and concrete coting, please contact the Technical team of Shalimar Paints Limited*

## Application Details

### Method of Application

Brush/ Airless spray

### Notes on Airless Spray

Tip Range	23 - 26 thou.
Total Output	2500 - 3500 psi.
Fluid Pressure	(176 - 246 kg/sq.cm.)
Pot Life	1 to 1.5 hour
Thinner	Thinner 6756

### Notes on Air Spray

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

## Limitations

The finish tends to chalk when exposed to sunlight although protective properties of the film remain practically unaffected. This product generally overcoated with itself.

## System Selection Guide

SURFACE	1 <sup>ST</sup> COAT	2 <sup>ND</sup> COAT
Steel	Epicure CUI Coating	Epicure CUI Coating
- Do -	Epicure CUI Coating	-

## Chemical Resistance Guide (with suitable top coat)

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

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