



**SHALIMAR  
PAINTS**

# TUFFKOTE

## PROTECTIVE COATINGS

### CHLOROKOTE ZINC PHOSPHATE PRIMER

Data Sheet No. SPL/PMG/2019100038

A chlorinated rubber based anti-corrosive primer containing zinc phosphate pigment. When top coated with Chlorokote finish, the coating system exhibits superb water impermeability and resistance to acid fumes in highly corrosive environment. This red version contains red oxide of iron apart from zinc phosphate pigment.

#### Product Information

<b>Color</b>	Grey / Red Oxide
<b>Finish</b>	Matt to Egg Shell
<b>Flash Point</b>	Above 20°C
<b>Volume Solids</b>	38 ± 2 %
<b>Recommended dry film thickness</b>	30 - 40 microns
<b>Corresponding wet film thickness</b>	80 - 105 microns
<b>Theoretical Spreading Rate</b>	12.7 – 9.5 Sq.m/ltr
<b>Drying time @ 30°C</b>	Touch Dry 30 minutes Hard Dry 6 – 8 hours
<b>Interval before Over-coating</b>	Minimum 8 hours Maximum Indefinite
<b>Volatile Organic Compound (VOC)</b>	535 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 65°C (Intermittent)

#### Uses

Suitable as primer for Structural Steel, Pulp & Paper Mills, Chemical Plants, Bridges, Jetties, Pipelines, Tank Farms, Fertilizer Plants, Marine Installations. It is ideal for Swimming Pool.

#### 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 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	18 - 26 thou.
Total Output Fluid Pressure	2700 – 3500 psi. (190 - 246 kg/sq.cm.)
Thinner	Thinner 6752

##### Notes on Air Spray

Nozzle Orifice – 2.0 mm to 3 mm  
Nozzle Pressure – 0.3-0.4 Mpa

#### Limitations

Coating not resistant to solvents, oils, grease and fats. The film is liable to soften and decompose above 65°C.

## 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	Chlorokote Zinc Phosphate Primer	Chlorokote Finish / Chlorokote HB Finish	Chlorokote Finish / Chlorokote HB Finish	-
- Do -	- do -	Chlorokote HB MIO	Chlorokote Finish / Chlorokote HB Finish	Chlorokote Finish / Chlorokote HB Finish

## Chemical Resistance Guide (with suitable top coat)

EXPOSURE	Acids	Alkalis	Solvents	Salt	Water
SPLASH & SPILLAGE	Good	Fair	Poor	Good	Very Good
FUMES & OUTDOOR EXPOSURE	Very Good	Fair	Poor	Good	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- consult 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.