



**SHALIMAR
PAINTS**

TUFFKOTE

PROTECTIVE COATINGS

CHLOROKOTE HB ZINC PHOSPHATE PRIMER

Data Sheet No. SPL/PMG/2019100039

A chlorinated rubber based anti corrosive primer containing zinc phosphate pigment. The primer provides protection to structural steel, equipment's in combination with Chlorokote HB MIO and Chlorokote HB Finish. The red version contains red oxide of iron apart from zinc phosphate.

Product Information

Color	Grey / Red Oxide
Finish	Matt to Egg Shell
Flash Point	Above 23°C
Volume Solids	43 ± 2 %
Recommended dry film thickness	40 - 50 microns
Corresponding wet film thickness	95 - 115 microns
Theoretical Spreading Rate	10.75 – 8.60 Sq.m/ltr
Drying time @30°C	Touch Dry 30 minutes Hard Dry 8– 10 hours
Interval before Over-coating	Minimum 10 hours Maximum Indefinite
Volatile Organic Compound (VOC)	480 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 65°C (Intermittent)

Uses

Suitable for use as primer for mildly corrosive environments on MS metal surface for various industrial use including tank exterior, cranes, Bridges , industrial exposer including Structural steel, External Tankages, equipment above pipelines, Cranes, Machinery & Mining Equipments.

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

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 ST COAT	2 ND COAT	3 RD COAT	4 TH COAT
Steel	Chlorokote HB Zinc Phosphate Primer	Chlorokote HB Finish	Chlorokote HB Finish	-
- Do -	- do -	Chlorokote HB MIO	Chlorokote HB 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.