



TECHNICAL DATA SHEET (TDS)

KTH ELEPHANT BRAND OXIDE PRIMER

Product Description

KTH ELEPHANT BRAND OXIDE PAINT is single component, low build solvent based general purpose oxide primer. It is an economical oxide primer for general industrial steel structure work which required fast handling time, it also has good hiding power and good build to give easy painting task, good coverage and semi gloss finishing to painted surfaces. A suitable top-coat should be painted over the primer as to protect it from UV deterioration and to enhance its protection property.

Uses

As a primer in a multi-coat coating system. Intended for inland, general industrial environment and most suitable for use on steel, GI and other metal surfaces , where general corrosion protection is required.

Composition

Pigment : Oxide pigment.
Binder : Air-dry natural resins
Solvent : Used hydrocarbon solvents

Physical Characteristics of the Paint:

Density : 1.00 – 1.10.
Volume Solid : 40 ± 5%
Viscosity : 52 ± 5 KU at 30°C
Theoretical Coverage : 8 – 12 m²/litre
Colour : Red, black, grey, green oxide.

Coating Properties:

Recommended Dry Film Thickness	: 35 - 50 microns per coat
Recommended Wet Film Thickness	: 85 - 125 microns per coat
Recommended Numbers of coat	: One or two
Recommended coating system	: Elephant Oxide Primer / 5953 HG
Drying Time	: Touch Dry – 15 mins, Dry to handle – 1 hour
Recoating interval	: At least 6 hours
Curing Time	: 24 hours

Surface Preparation:

Previous painted surface and bare substrate must be completely dry and free from rust, mill-scale, dirt, grease and other contaminants before painting. For maximum adhesion and durability of paint performance, all bare surfaces should be prepared by means of sand paper, hand tools, power tools and etc.

Application Method:

Method of Application	: Brush, roller, and spray application.
Product Preparation	: Stir mixture thoroughly before use. No thinning is required.
Pot Life (at 30°C)	: No pot life limit.

Safety Precaution:

1. This product is flammable.
2. Keep away from sources of ignition.
3. Keep container tightly closed and keep out of reach of children.
4. Wear suitable personal protective clothing during painting.
5. Ensure adequate ventilation. Do not breathe or inhale spray mist.
6. Do not apply when the relative humidity exceeds 85%.
7. Avoid skin and eye contact. Spillage on skin should be removed immediately with cleanser, soap and water. Eye should be well flushed with water and seek medical advice immediately if discomfort persists.