



TECHNICAL DATA SHEET (TDS)

KTH 785M BLACK OXIDE PRIMER

Product Description

KTH 785M BLACK OXIDE PRIMER is single component high build alkyd solvent-based primer. It is economical and has fast drying time, thus most suitable for general purpose steel structural work. It gives low gloss finishing to painted surfaces. A suitable top-coat should be painted to enhance the performance of the primer.

Uses

As primer in a multi-coat coating system. Most suitable for use on steel, GI and others surfaces. Main for general industrial steel painting.

Composition

Pigment : Carbon black pigment.
Binder : Modified alkyd resin
Solvent : Hydrocarbon

Physical Characteristics of the

Density : 1.23 – 1.29.
Volume : 68 ± 5%
Solid : 63 ± 5 KU at 30°C
Viscosity : 8.5– 13.5 m²/litre
Theoretical Coverage : Black.

Coating Properties:

Recommended Dry Film Thickness	: 50-80 microns per coat
Recommended Wet Film Thickness	: 75 - 120 microns per coat
Recommended Coating System	: 1) AC 750 or AC 736 / 785M / 9600 HG (or 5953 HG) 2) 785M / 701 / 9600 HG (or 5953 HG)
Recommended Numbers of coat	: One to two
Drying Time	: Touch Dry – 15 minutes, Dry to handle – 1 to 2 hours
Recoating interval	: At least 8 hours
Curing Time	: 1 day

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. However, 10% of thinner can be added for workability.
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.