



® TECHNICAL DATA SHEET (TDS)
2 – PACK EPOXY PRIMER

Product Description

2 – PACK EPOXY PRIMER is a high build two component epoxy resin based primer cured by polyamide activator. It has excellent adhesion on wide range of substrate, thus when combines with epoxy and polyurethane as subsequent coating, provides abrasion resistance paint film that protects against atmosphere and marine environment, and resistant to general chemicals.

Uses

As primer and intermediate coat of the epoxy and polyurethane system. Suitable for use on concrete and steel surfaces where high degree of chemicals, oil and abrasion resistance is required.

Composition

Pigment : Titanium dioxide, Talc.
Binder : Epoxy resin cured with polyamide resin
Solvent : Hydrocarbon

Physical Characteristics of the Paint:

Density : 1.80 – 1.90, depending on colours
Volume Solid : 70 ± 5%
Viscosity : 70 ± 10 KU at 30°C
Theoretical Coverage : 8 – 12 m²/ litre
Colour : Light grey

Coating Properties:

Recommended Dry Film Thickness	: 60-80 microns per coat
Recommended Wet Film Thickness	: 85 - 115 microns per coat
Recommended coating system	: 1) Epoxy Primer / Epoxy Finish Colour 2) Epoxy Primer / Epoxy Finish Colour / 905 2K PU
Drying Time	: Touch Dry–2 to 3 hours, Dry to handle - 16 hours
Recoating interval	: At least 16 hours
Curing Time	: 5 – 7 days

Surface Preparation:

Concrete Surface:

Remove all previous coating and chalk by light abrasive blasting. If abrasive blasting is not available, etch the new and uncoated concrete surface with about 5% sulphuric acid solution followed by thorough rinsing with clean water. Allow the surface to dry completely prior to paint application.

Steel Surface:

The mild steel 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 metals should be abrasive blasted to SA21/2 standard prior painting.

Application Method:

Method of Application	: Brush, roller, and spray application.
Product Preparation	: 2-Pack Epoxy Primer MUST be mixed with Epoxy Hardener V125 at 4 to 1 ratio (by volume) before use. No thinning is required. Stir mixture thoroughly before use. However, 25% of thinner can be added for workability.
Pot Life (at 30°C)	: 4 to 6 hours.

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.
6. Do not breathe or inhale spray mist.
7. Do not apply when the relative humidity exceeds 85%.
8. 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.