



Technical Data Sheet

EPOXY CLEAR LACQUER 2 PACK

Scope

A two pack epoxy clear coating which gives an extremely tough, high performance film. It is suitable for application as a glossy top coat power epoxy paint systems or as a primer coat over blasted steel or concrete surfaces. The product can be overcoated with epoxy top coats.

Uses

Useful for application on laboratory furniture, wooden television cabinets, wooden partitions and floors. It preserves the natural grain of the timber.

In ATF tanks, Clear Lacquer can be applied as priming coat and when overcoated Enamel.

Product Data

Type	:	Two pack, cured with Polyamide
Composition	:	Catalysed epoxy resin
Mixing Ratio	:	Base : Catalyst by volume
Pot Life	:	6-8 hours
Application	:	Brush, roller, airless or conventional spray
Recommended DFT	:	15-20 microns percoat
Theoretical Spreading Rate	:	16.0-21.3 Sq.Mtr.,Ltr.
Drying Time	:	TOUCH : 2-3 hours HANDLE : 6-8hours HARD : Overnight
Curing Time	:	7 days
Overcoating Interval	:	Min : Overnight Max : 5days
Flash Point	:	Above 22°C
Colour	:	Clear
Packing	:	20 Ltrs. and 4 Ltrs.
Thinner/Cleaner	:	Thinner
Finish	:	Glossy

Storage Life : Up to twelve months as long as dry place under normal temperature conditions.

Resistance Guide

Chemical Resistance

Exposures	Splash and spillage	Mild Fumes/ Outdoor Resistance
Acids	Good	Very Good
Alkalis	Very Good	Very Good
Solvents	Good	Very Good
Salt	Fair	Fair
Water	Good	Very Good

Temperature Resistance:

Continuous : 93°C

Intermittent: 120°C

Weatherability : Very Good

Flexibility : Excellent

Abrasion Resistance : Very Good



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Surface Preparation

STEEL : Remove grease, oil and other contaminants preferably by using Degreasing Solvent. Blast clean to a minimum of Sa 2 1/2 Swedish Standard SIS 05 5900. For severe corrosive conditions, blast to Sa 3 with a surface profile not exceeding 65 microns.

If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing to remove loose rust and scale to St. 2 Swedish Standard SIS 05 5900. Excessive burnishing of steel is to be avoided. Thoroughly dust down all surfaces. Best results can be achieved if the manually cleaned surface is treated with Bison Metal Conditioning Solution. The surface should be clean and dry before application of Clear Lacquer or appropriate undercoat

CONCRETE : New concrete: Ensure that the concrete is cured for a minimum of three months. Surface is to be made rough and free from laitance and other contaminants by sand sweeping. Old concrete: Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up of firmly adhering coatings to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully clean and dry before application of paint.

In non-critical areas where blasting is not possible, water jet washing and hard wire brushing are minimum requisites.

Application

Stir the base thoroughly and then mix three parts of base and one part of catalyst by volume to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before use and during application.

Brush/Roller: Apply without thinning.

Conventional spray: Add maximum upto 5% Thinner if required, depending on conditions. Use any standard equipment at an atomising pressure of 3.5-4.2 Kg/cm².

Notes

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10°C or rises above 50°C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner otherwise equipment is liable to be damaged.

Health & Safety: Please refer to the separate safety data sheet available with detailed information.

Disclaimer:

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