

INTRODUCTION

It is a two pack Polyurethanes cured with Isocynide.

SCOPE

It provide excellent protection to Fibre Glass, MS, Aluminium, Plastic Etc. It forms a durable air drying, film over the surface. The product possess good flexibility, addition and water resistance.

PRODUCT DATA

Type	: Two Pack P.U. cured with Isocynide suitability pigmented
Composition	: Poly urithane Acrylic
Mixing Ratio	: 9:1 Base: Catalyst: by volume
Pot Life	: 2-3 hours
Application	: Brush, rollers, airless or conventional spray
Recommended DFT	: 25-35 microns per coat
Corresponding WFT	: 57-80 microns per coat
Theoretical Spreading Rate	: 12-17sq.mtr/Ltr
Drying Time	: Touch -10 minutes, Handle-1 hr. Hard - Over Night
Curing Time	: 6-7 Days
Over coating Interval	: Min-Overnight Max - 5 days
Flash Point	: Above 22°C
Colour	: As per Amex Shade Card
Solubility	: Soluble in high boiled aromatic solvant
Specific Gravity at 25°C	: 1.01
Viscosity at 25%	: 36 Sec. by four cup B4
Softening Point	: 260°C
Solid Contents	: above 45%
Freezing Point	: 2°C
Effect on skin	: Nil
Packing	: 20 Ltrs. (18+2)
Thinner/Cleaner	: Amex PU Thinner/Cleaner
Finish	: As per requirment

STORAGE LIFE

Upto 12 months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions

USES

Recommended as a Primer/Paint/Clear for Fibre Glass, Glass, Bathroom Fitting, Water Proofing, Chemical Plants, Tanks exterior, Equipments, Pipelines Structural steel etc.

RESISTANCE GUIDE

Chemical Resistance

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

TEMPERATURE RESISTANCE

Continuous : 200°C
Intermittent : 300°C

WEATHERBILITY

Very Good with suitable over coats

FLEXIBILITY

Good

ABRASION RESISTANCE

Good

SURFACE PREPARATION

STEEL: Remove grease, oil and other contaminants by using Amex 3 in 1 chemical or Sand Blast a minimum of Sa 2.5 Swedish Standard SIS 05 5900 with surface profile not exceeding 65 microns.

If blasting is not practical, remove loose rust and dirt by manual chipping and wire brushing scale to St-2 Swedish standard SIS 05 5900. Don't Polish the steel excessively. To obtain best result treat the manually cleaned surface with Amex Metal Conditioning Sol.

Apply P.U. Primer only on a clean and dry surface.

APPLICATION

Stir the base thoroughly, Mix 3 parts of base and 1 part of catalyst by volume to uniform consistency. Let the mixture mature for 30 minutes. Stir it again before and during application.

Brush / Roller	: Apply without thinning. If required during application add maximum upto 5% P.U. Primer thinner
Conventional Spray	: Depending on conditions dilute by adding 10% P.U. Thinner. Use any standard equipment at an atomising pressure of 3.5 - 4.2 kg/cm ² .
Airless Spray	: Preferable apply without thinning. If conditions dilute by adding 10% P.U. Thinner. Use any standard equipment at an atomising pressure of 3.5 - 4.2 kg/cm ²
Tip Size	: 0.33 - 0.38 mm, Tip Pressure - 110 - 140 Kg/cm ²

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Epoxy Primer/Epoxy Zinc Rich Primer	P.U Paint	P.U Paint	P.U Paint
Galvanised Iron & Aluminium	Degrease and Scrape off the surface. Apply Epoxy Primer followed by Top Coat of P.U Paint			
Fibre Glass	P.U. Primer	P.U. Surface	P.U. Paint	P.U. Paint

NOTES

1. The mixed paint should be used within the stipulated pot life period.
2. Don't 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. To avoid any undue damage to the Paint and Spray equipments clean them with thinner.
4. No Inflammable activity should be carried out when application is under process.

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