

PU ISOLANT EXTRA Product No. **PI 282** [Extra]

General purpose transparent two components Polyurethane Isolant Extra Varnish based on functional Isocyanic polymer and polyvinyl Resin, endowed with very good penetration, provides excellent adhesion, non-yellowing and blocking properties.

USES

As isolator recommended for all kind of veneer woods and white colored woods.

CHARACTERISTICS

Properties

- Extra General Purpose
- V. Good Sand Ability
- Good Plasticity
- V. Good Adhesion

Color : Transparent. [Clear]

Specific gravity : 0.88 Kg/lit [± 0.025]

Weight Solids : Approx. 17% [± 2]

Weight Solids blended : Approx. 24% [± 2]

Flash point : 21°C

Drying Time

- Dust Free : 15 min.
- To touch : 40 min. at 25°C at 25 μ DFT
- Interval Coats : 3 hrs.
- Without sanding Topcoat : 4 hrs. @ 25°C at 25 μ DFT
- Without sanding deep drying : 24 hrs. @ 25°C

SURFACE PREPARATION

All timber species must be fully aged with a moisture content of less than 15%. The Surface must be dry, clean and free from contaminations. Natural oil or gum must be removed by solvent cleaning. To obtain optimum surface finish, sand the wood properly in the same direction of the wood grain, utilize sanding paper no. [120]. Remove any residues on the substrate after sanding.

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PRODUCT PREPARATION

CATALYST

by weight 100%	by volume 100%
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Mixing Ratio (v/v) 1 Part Base (PI282): 1 Part Hardener (CP022)

Pot Life 5 hrs. @ 25°C

Stir product well with a flat paddle. Add the correct quantity of hardener and stir till homogeneous. Thin to required viscosity. For details of spray equipment contact Ritver Technical Services Department.

Dilution

Utilize [TP292] PU Thinner depending on the application system used. In general 20 -30% thinner is added to achieve an application viscosity of 16-18 seconds Fc4. This is suitable for spraying.

For Curtain Coater, add 20% [TP292] PU Thinner.

In case of hot humidity climate add 5-10% [TP222] PU retardant thinner.

In winter we suggest utilization of [TP290] for fast drying.

SUBSEQUENT TREATMENTS

After 2-3 hr. from the application of sealer, it is possible to proceed (without sanding) with the basecoat treatment using polyester varnish (or eventually polyurethane); one or more coats according with the desired covering. After 3 hr., sand the sealer (if good sanding is desired, wait for 12 hr.) - Do not remove the thickness of sealer during sanding.

APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is between 90 gr / sq.m. The number of coats depends on the surface preparation the porosity of the substrate, and the finish required.

Following Treatments

By spray gun: Use spray gun with a 1.5 – 1.8 mm. nozzle at 3-4 atm/bar. For details of Spray equipment contact Ritver Technical Services Department.

By Rag: Wet the rag with the product and evenly apply on the substrate.

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CLEANING

Clean all tools and equipment immediately after use with [TC010] Tool Cleaner.

PACKING & STORAGE

Available in 5Lit, 25Lit

Store in a cool and well ventilated place. Keep away from direct sunlight. Minimum one year in unopened container, stored in a cool and dry condition at 25°C.

SAFETY & FLAMMABLE

This material is flammable and must not be exposed to naked flames.

Use only in well ventilated areas. In case of insufficient ventilation during application wear suitable respiratory equipment. Do not breathe vapor / spray. In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice. In case of contact with skin, wash immediately with soap and water or a recognized skin cleaner.

Keep away from sources of ignition. No Smoking. Keep out of reach of children.