

PU ISOLANT STANDARD

Product No. **PI 281**

[Standard]

General purpose transparent two components Polyurethane Isolant Varnish indicated as sealer for porous dark stained wood endowed with very good penetration and blocking properties, provides excellent wetting properties and works in renewing the wetting effect after stain application.

USES

As Isolator for Polyester. Moreover, it is advisable to use PU Isolant when accountable humidity and adverse organic salt are present, and on the knots that may affect the product power. Do not use in Light colors.

CHARACTERISTICS

Properties

- General purpose
- Good sand ability
- Acceptable transparency
- Good plasticity
- Good Adhesion

Color : Transparent. [Clear]

Specific gravity : 0.94 Kg/lit [± 0.025]

Weight Solids : Approx. 30% [± 2]

Weight Solids blended : Approx. 31% [± 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 (PI281): 1 Part Hardener (CP021)

Pot Life 5 hrs. @ 25°

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.

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

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

In Hot climate we suggest also utilization of [TP292] PU thinner to avoid bubbles and blooming.

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.

NOTE: To obtain a very good result in particular on exotic timbers, it is necessary to apply 2-3 coats of sealer. This product can be used even on MDF for a lacquering varnishing cycle. Before starting with the procedure, in particular on new and never treated timbers, verify the final result in working conditions on a sample.

Important: The sealer does not have any insulating property against humidity. If timber with high percentage of humidity (> 15 -18%) is treated, polyester basecoat cannot be used. This product can even be used as insulating basecoat in varnishing cycle for wooden floors

APPLICATION METHODS

Depends on the finishes required but in general an appropriate rate is 110 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.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

Date Revised: 01st Jan 2012

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CLEANING

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

PACKING & STORAGE

Available in 5Ltr, 25Ltr.

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.