

# EPU T500

## TRANSPARENT VARNISH BASED ON ALIPHATIC ISOCYANATES AND SPECIAL POLYOLS

### Description

**T500** is a mono-component, modified transparent urethane coating that works as an anti dust system. It is used as a finishing coat on existing resin, wood, natural and artificial stones and concrete surfaces. T500 works both internal and external. Can be used for civil environments subject to pedestrian traffic, such as floors inside a garage, warehouses, cellars, etc. and of outdoor surfaces such as squares, car parks, avenues, courtyards, etc.

### Features

- Non-yellowing
- Excellent abrasion resistance
- Good chemical resistance to dilute acids and alkalis
- Transparent shiny finish
- Cures reacting with air moisture
- Application temperature +5°C to +35°C with relative humidity <85%

### Fields of application

**T500** improves the floor resistance to traffic and scratches and gives a anti dust protection. Employed to impregnate and saturate vertical and horizontal surfaces made of concrete, stones, resin and wood.

### Application guidelines

**T500** can be applied with roller or spray.

#### a) Substrate Preparation

Surface must be clean, grind and dry. Remove dust, laitance, grease, curing compounds, Preparation bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application. Concrete - Should be cleaned and prepared to achieve a laitance-free and contaminant-free, open textured surface by shot blasting or equivalent mechanical means (CSP-3 to CSP-4 as per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. Whenever "shot-blasting" is utilized, be careful to leave concrete with a uniform texture. "Over-blasting" will result in reduced coverage rates of the primer and/or subsequent topcoats. The "shotblast" pattern may show through the last coat, known as "tracking". The compressive strength of the concrete substrate should be at least 3,500 psi (24 MPa) at 28 days and at least 215 psi (1.5 MPa) in tension at the time of application.

**b) Preparation of the product**

**T500** is a mono-component product.

**c) Application**

Apply **T500** with a short roller or sprayer.

Consumption 40-60 gr/mp

## Handling and storage

**T500** can be stored for 12 months in its original packaging in a dry place at a temperature between +5°C and +35°C.

Wear protective equipment (gloves/safety glasses/clothing) to prevent contact with skin and eyes. Keep container closed in a cool dry place. Wash skin thoroughly with soap and water after use. Use with adequate, general and local, exhaust ventilation. In absence of adequate ventilation, use a properly fitted NIOSH respirator. Remove contaminated clothing. Launder before reuse.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA		
COLOR	TRANSPARENT	STANDARDS
DENSITY	0,98 +/- 0,05 kg/l	UNI EN ISO 2811-1
VISCOSITY AT 20°C	50 +/- 10 mPa·s	EN ISO 2555
CURE RATE Touch dry / Complete curing	5h / 24h	77°F / 25°C

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