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## One-component transparent aliphatic polyurethane based varnish

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SERITAL PT is a polyurethane varnish based on aliphatic isocyanic hydrocarbons suitable as protective topcoat on industrial floors and on microcement coating.

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### Field of application

SERITAL PT is suitable for application in:

- Industrial floors
- Microcement coatings
- Walls coated with epoxy or polyurethane products

### Advantages

- One component, no addition of solvent is required.
- High resistance to water, cleaners, oils and lubricants.
- Anti-pollution coat.
- Glossy or mat surface, resistant to impact and abrasion.
- UV-resistant.
- High adhesion.
- Easy maintenance.
- Does not retain dust.
- Resistant to chemicals.

### Method of use

#### Substrate condition:

The application surface must be dry (without top coat humidity <4%), stable, sound and free of any materials that prevent the proper adherence of the product, as dust, etc.

#### Application:

SERITAL PT is applied with roller or brush in 1-2 layers. When using spraying machine use a 0.015-0.017 inch nozzle and 180 bar of pressure.

Industrial floors: SERITAL PT is applied 7 days after application of SERITAL, SERITAL 41, or DOMOPOX FLOOR.

Microcement coating: SERITAL PT is applied after at least 4 days of application of microcement coating, in order to be no top coat humidity. The product changes the color of microcement coating, by obscuring it by two tones. To prevent the color change, primer the microcement coating with DOMOREFLECT PRIMER and after 24 hours apply SERITAL PT.

Slip resistant flooring: For anti-slip surface it is recommended the application of SERITAL PT by adding non-slip glass spheres (available upon special request).

#### Additional information:

- Use only the quantity required for the specific application. Product in opened can must be consumed within 7-10 days.
- The product is sensitive to humidity and should not be applied in moist conditions (>60%). Therefore, avoid application during the morning hours (especially in winter).
- Uncured product is cleaned with solvent. After curing, it can only be removed mechanically.
- After the end of the operations, the used tools must be washed thoroughly with the special cleaner DOMOPOX CLEANER.

### Consumption

40-50 g/m<sup>2</sup> per layer depending on the nature of the substrate.

### Storage

Can be stored for at least 12 months from production date in the original pail, in a cool environment protected from frost and direct sunlight.

## Packaging

Cans of 1 kg, 5 kg & 18 kg.

## Certificates

The product is certified according to EN 13813 (Coating Materials), as Synthetic Resin-B2.0-RWA20-IR2.5.

## Volatile Organic Compounds

EU REGULATION 2004/42: According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content of VOC (Product Category i / Type SB) is 500 g/L (limits of 2010) for the final product. The final SERITAL PT contains max <500 g/L.

## Specifications

Form	Liquid
Color	Transparent
Specific weight	1.00 ± 0.03 kg/L (23°C)
Flash point	>21°C
Application temperature	+10°C to +30°C
Adhesive strength (prEN 13892-8)	2.41 N/mm <sup>2</sup> (B2.0)
Resistance to abrasion by rolling wheel (prEN 13892-5)	16.7 cm <sup>3</sup> (RWA20)
Impact resistance (EN ISO 6272)	No cracking for a load of 10 N from a height of 0.25 m (IR2.5)

## Application & hardening times

### Time between layers (SERITAL PT on SERITAL PT)

Substrate Temperature	+10°C	+20°C	+30°C
Minimum	36 hours	18 hours	12 hours
Maximum	48 hours	24 hours	18hours

### Applied product ready to be used

Temperature	+10°C	+20°C	+30°C
Walkability	48 hours	24 hours	18 hours
Light Load	7 days	5 days	3 days
Full Hardening	14 days	14 days	14 days

All the technical data stated in the present Technical Data Sheet are based on laboratory tests and the knowledge and experience of the company. Different conditions may apply at field applications that are beyond the control of the company. Therefore, the end user is ultimately responsible to make sure that the product is suitable for the application in question and to know the real conditions of the project.