

## Description:

Single-component polyurethane varnish for interior floor protection. This aromatic, solvent-based, single-component product cures with ambient humidity, forming an extremely hard, strong, and continuous film. It offers excellent mechanical and adhesive properties, as well as high resistance to abrasion and chemical agents.

## Approved Uses

- Treatment, decoration, and protection of industrial floors, concrete structures, metal structures, with or without chemical treatment, not exposed to UV radiation.
- Treatment, decoration, and protection of tanks and reservoirs with chemical treatment.
- Sealing of concrete.
- Corrosion protection for metal structures.

## Supported Substrates

Concrete, cement, non-vitrified ceramics, synthetic coatings (such as polyurethane).

For other substrates, we recommend performing tests to verify adhesion.

For special substrate conditions, consult the technical department.

## Advantages

- Quick and easy application.
- Fast curing.
- Excellent adhesion to almost all types of surfaces.
- Excellent resistance to extreme temperatures ranging from  $-40\text{ }^{\circ}\text{F}$  to  $+176\text{ }^{\circ}\text{F}$  ( $-40\text{ }^{\circ}\text{C}$  to  $+80\text{ }^{\circ}\text{C}$ ).
- Maximum shock temperature:  $392\text{ }^{\circ}\text{F}$  ( $200\text{ }^{\circ}\text{C}$ ).
- High resistance to abrasion, tension, and tearing. Can be used as a sealing layer.

## Limitations:

- Do not exceed the maximum consumption, as it may affect adhesion and durability.
- Ensure proper ventilation during application and for at least 24 hours afterward, especially in enclosed spaces.
- Avoid the formation of product puddles.
- Transparent applications exposed to UV may cause yellowing.
- Incorrect treatment of cracks and critical points may reduce the floor's lifespan.

## Application

- The substrate must be clean, free of grease and dust, leveled, porous, and dry.
- Before applying, confirm that the temperature and humidity requirements are met (refer to the table).
- It is important to monitor the dew point to avoid condensation and whitening in the membrane.
- The concrete substrate must be porous, free of laitance, and without curing agents.
- Compression resistance of concrete: 2175.57 psi ( $15\text{ N/mm}^2$ ).
- Tensile strength of concrete: 145.04 psi ( $1\text{ N/mm}^2$ ).
- In case of doubt, perform a test before application.
- Stir the product before use with a low-speed electric mixer (300–400 rpm) to prevent air entrapment.
- Over-mixing may cause air bubbles to form.
- Dilution is not recommended. The product is ready to use.
- Recoat before the preceding layer dries completely to improve adhesion (2–3 hours).  
Secado al tacto 1–2 horas  
Tráfico peatonal 24 horas  
Tráfico ligero 2 días  
Curado total 7 días  
(Approximately  $77\text{ }^{\circ}\text{F}$  /  $25\text{ }^{\circ}\text{C}$  and 55% RH)
- These times are approximate and can be affected by changes in environmental conditions, especially humidity and temperature.
- Ensure proper ventilation to eliminate excess solvent during curing, at least for 24 hours after application.

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## Consumption

Apply in thin layers with a maximum of 0.02-0.03 lb/ft<sup>2</sup> (100-150 g/m<sup>2</sup>) per coat.

## Cleaning

- Clean tools immediately after use with paper, then with solvent. Do not reuse tools for mixing or applying polyurethane products.
- Fully cured material can only be removed mechanically.

## Presentation

Metallic containers:

- Boxes of 4 units, 11.02 lb (5 kg) each.
- Individual containers of 44.09 lb (20 kg).

## Container Stability

12 months in a dry place between 41°F to 77°F (5°C and 25°C).

## Transportation, Preventive measures and Storage

Refer to the safety data sheet.

*The information provided serves as a recommendation based on laboratory tests and our current knowledge. Different conditions on construction sites may result in variations from the given information; therefore, our warranty is limited to the supplied product. For any questions, please contact our technical department.*

## Technical data of the product

| CONCEPTS                   | RESULTS   |
|----------------------------|---|
| Chemical Base              | Solvent-based polyurethane                        |
| Density                    | 61.2 lb/ft <sup>3</sup> (0.98 g/cm <sup>3</sup> ) |
| Viscosity at 77 °F (25 °C) | 110 cP  |
| Touch Dry                  | 2-3 hours   |
| Full Cure                  | 7 days  |
| VOC Content                | 488 g/L   |
| Flash Point                | 82.4 °F (28 °C)                                   |