

Vetrificante Poliurethanico

Polyurethane transparent water-based varnish



Main Characteristics

Description:

The varnish Vetrificante Poliurethanico is the one-component and two-component water-based urethane protective system, UV-resistant (does not turn yellow) and has chemical resistance when component «B» is introduced. The varnish, after proper drying, provides increased mechanical resistance to abrasion and scratches along with excellent chemical resistance. The Vetrificante Polyurethane coating is available in Semi Gloss and Glossy versions. Vetrificante Poliuretanico is a product with a very low level of volatile organic compounds.

The varnish Vetrificante Poliuretanico (component A) can be used without the addition of component B. To increase the degree of protective properties of the coating, before using Vetrificante Poliurethanico (component A), we recommend adding Vetrificante Poliurethanico Part B (component B) – a new generation hardener based on aliphatic polyisocyanate with an HDI monomer content <0.1% by weight.

Due to its technical characteristics, which provide high transparency and a special natural effect, the varnish Vetrificante Poliurethanico can also be used for the protective treatment of already laid traditional wooden parquet or other wooden coverings.

Formula for mixing 2 components:

Vetrificante Poliuretanico (component A) 1 l + Vetrificante Poliuretanico Part B (component B) 0.045 l.
Or:

Vetrificante Poliuretanico (component A) 5 l + Vetrificante Poliuretanico Part B (component B) 0.45 l – at the same time the resulting mixture must be thoroughly mixed.

Vetrificante Poliuretanico Part B (component B) after opening the package stored for no more than 7 days.

Usage:

The varnish is designed to protect decorative coatings on a micro-cement or cement base for walls and floors, polymer systems, mineral and lime coatings. To protect surfaces treated with PRATA MARMORINO FLOOR or PRATA MARMORINO X FLOOR, after impregnation with AQUA. And also for vertical surfaces covered with enamels or varnishes, wooden interior elements, new or previously painted, including: parquet, baseboards, panels.

Preparation

When using varnish to protect MARMORINO FLOOR or MARMORINO X FLOOR micro-cement floor systems, the surface must be pre-impregnated with a special AQUA impregnation. The methods of application for one- and two-component systems of varnish are similar.



Application



For **MARMORINO FLOOR** or **MARMORINO X FLOOR** floor systems:

For application, you can use a brush, a wool roller with a short pile or a foam roller for applying varnishes.

Mixing proportions by weight: 5 liters of component A + 0.45 liters of component B (10 parts of component A + 1 part of component B)

When adding component B, it is necessary to bring the mixture to uniformity by mixing it thoroughly manually for 45-60 seconds. It can be mixed using a mixer with a spiral nozzle at low speed for 1 minute. If necessary, you can also dilute the already obtained mixture with water by 5-10%.

Shelf life for applying the resulting mixture: about 60 minutes.

- Impregnate the surface with a special water impregnation in 1-2 layers (before using, read the technical documentation of the product).
- 12 hours after applying the impregnation AQUA, remove any dust that may have formed from the surface.
- Make sure the surface is completely dry.
- Then apply 2 coats of Vetrificante Poliuretano varnish with a drying interval between layers of at least 12 hours.

Wood surfaces new or restored:

- Lightly sand the surface by removing the raised wood fibers.
- Remove any remaining wood resin using a suitable solvent.
- Eliminate irregularities with a special synthetic putty.
- Make sure the wood is dry.
- Sand the surface, then apply 2 coats of Vetrificante Poliuretano. If necessary, it is possible to sand the surface between the layers of varnish to remove protruding fibers.
- Before applying the varnish, make sure that the surface is completely dry!



Before applying the varnish, make sure that the surface is completely dry!

Technical characteristics

Application temperature:	+5 ÷ +35°C
Relative humidity:	< 85%
Drying by touch:	30 minutes
Drying by touch:	2-3 h
Repeated application:	after 12 h
Complete drying:	7-10 days
Cleaning of tools:	with water
Specific gravity:	1.0-1.05 kg/l
Theoretical consumption:	7-8 m ² /l
Appearance:	glossy or matte
Packaging:	1 l, 5 l



Tinting



Tinting is possible in a wide range of colors, including support for RAL and NCS systems. We recommend tinting using pigments and the CPS (PRATTA COLOR SYSTEM) tinting system in accordance with VELATURA/CERATO's own catalogs. Care should be taken when using different batches of the same color material. Mix them to ensure uniformity of color during application.

Storage



Product without tinting in packaged form, placed in a cool, dry place, has a shelf life of up to 24 months. After use, the packaging should be carefully closed and stored in an inverted position. Storage and transportation temperature: from +5° C (41 ° F) C to +30° C (86 ° F).

