



Wood Protection & Treatment

PREMIUM POLYURETHANE FLOOR VARNISH

Technical Data Sheet

Reviewed: 23.09.2024

DESCRIPTION

PREMIUM POLYURETHANE FLOOR VARNISH is a clear 2 component acrylic - polyurethane varnish that provides ultimate long lasting protection of exterior and interior wood, cement, stone and metallic floors. It contains UV filters which protect against sunlight. The durable polyurethane based formula provides a long lasting finish with excellent mechanical and chemical resistance as well as resistance to pedestrian traffic, humidity and extreme weather conditions. The excellent combination of hardness and elasticity make it the ideal floor varnish for both DIY and industrial applications.

ADVANTAGES

- Forms an elastic, seamless, transparent protective membrane
- Excellent wear resistance
- Does not crack or peel
- Maintains its finish
- Does not turn yellow, excellent anti-chalking properties
- Anti-Graffiti friendly – easy to remove common graffiti (gloss)
- Excellent adhesion properties
- Excellent sun and frost resistance
- Surface can handle pedestrian and vehicular traffic.

APPLICATIONS

- Ideal for use on all exterior and interior wood parquet floors
- Waterproofing, sealing and protection of cement floors
- Waterproofing, sealing and protection of natural stone floors (for artificial stones a compatibility test is recommended)
- Ideal finish – varnish for metallic floors and surfaces
- Protection and waterproofing of most building surfaces

INSTRUCTIONS FOR USE

Surface preparation

Careful surface preparation is very important for optimum finish and durability.

1. The substrate should be dry and free from dust, chalk, grease and any foreign material that may harmfully affect adhesion.
2. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by mechanical means such as a sanding machine or where possible with high pressure washing machine. Possible dust after sanding must be removed.
3. Light sanding of wood parquet is necessary. Carefully remove dust. Internal moisture of wood must not exceed 12%-14%. Degrease oily wood with nitro solvent or acetone.
4. New concrete floors need to dry for at least 28 days. Moisture must not exceed 5% and ambient humidity not over 70%.
5. All substrates must be completely dry prior to application and rain must be avoided for 48 hours.
6. Minimum application temperature 10°C.

Priming

Unsound porous surfaces can be primed with same material diluted 10 - 15 % with solvent **DIL X - 100** for substrate strengthening.

Application

1. Mix carefully the 2 components taking care to ensure thorough mixing on the walls and the bottom of the pail.
2. Allow mixture to stand for 5 minutes.
3. Dilute 5-10% with **DIL X-100** for roller or brush application and 10-20% for spray application.
4. Apply the first coat.
5. You must avoid applying the varnish in heavily – thick coats, since it will wear rapidly.
6. The second coat may be applied when the first is thoroughly dry, 6 (35°C) to 24 (15°C) hours depending on ambient temperature.
7. Depending on surface absorption, a third coat may be required.
8. The final curing is achieved in 7-14 days (25°C).

Maintenance of surface: wash with a mild detergent and water, and rinse thoroughly.

CLEANING

Tools must be cleaned immediately after use with **DIL X-100** or nitro solvent

COVERAGE

100-120 ml/m² per coat depending on surface absorption. Apply at least two coats.

REMARKS

- Application conditions: Substrate's moisture: <4%, Surface's and Ambient temperature: 12°C - 35°C, Relative Air Humidity: <70%.
- Freshly painted surface must be protected from excessive humidity and rain for 36 – 48 hours.
- **PREMIUM POLYURETHANE FLOOR VARNISH** contains solvents and during application good ventilation of the space should be ensured.
- It is advisable to use protective clothing, gloves, hat and mask with filter suitable for solvents.
- If recoating is carried out after 36 hours, the surface must be sanded with coarse sandpaper and dust must be removed.
- Curing as well as pot – life are affected by ambient temperature and humidity. Low temperatures and high humidity tend to increase pot – life while high temperatures and low humidity shorten the pot life.
- Before application, read carefully all instructions and information relevant to its safe and best use (Safety Data Sheet).
- Surfaces that may have had a siloxane-based water-repellent, oil-repellent impregnation or wax applied must be thoroughly cleaned with an acidic cleaner or thoroughly scrubbed if possible and tested for suitability.
- The substrate must be at least 3°C above dew point to reduce the risk of condensation or blooming on the paint's finish.

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TECHNICAL CHARACTERISTICS

Base: Aliphatic Polyurethane

Color: Transparent

Finish: Gloss, Satin, Matte

UV Filters: Yes – new generation with HALS

Specific gravity: 1,00±0,05 Kg/Lt 25°C

Thinning: 5 - 20% with DIL X – 100

Pot Life: 1 - 2 hours

Recoat: 6 - 24 hours depending on temperature

Final curing: 7-14 days

Application temperature: +10°C - +35°C

VOC (Volatile organic Compounds) CONTENT: (Directive 2004/42/CE) EU maximum VOC content limit values for this product (category A/j(SB) (two pack reactive performance coatings): 500gr/lit (2010). This product contains maximum 499gr/lit VOCs (ready for use product).

STORAGE

Store in dry and cool storage conditions at temperatures 5°C - 30°C. Protect from moisture, frost and direct sunlight.

SHELF LIFE

At least 24 months in unopened containers. Products should remain in their original unopened containers, bearing the manufacturers batch number.

PACKAGING

Set A+B of 1Lt, 3Lt & 10,5Lt

PACKAGING	CODE	BARCODE
GLOSS 1Lt	5668	5204094056683
GLOSS 3Lt	5684	5204094056843
GLOSS 10,5Lt	5685	5204094056850
SATIN 1Lt	5686	5204094056867
SATIN 3Lt	5679	5204094056799
SATIN 10,5Lt	5680	5204094056805
MATTE 1Lt	5667	5204094056676
MATTE 3Lt	5658	5204094056584
MATTE 10,5Lt	5659	5204094056591

HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.

COMPONENT A



UFI: DWA0-H0YE-400R-U0CP

COMPONENT B



UFI: W0C0-10NT-F007-HAXR

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



TECHNICAL SUPPORT

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MONDAY TO FRIDAY 8:00 - 16:00

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