

Parquet varnish

Specification

- it creates a coating resistant to mechanical load;
- it dries quickly;
- it gives accent to the beauty and color of timber;
- it creates a coating resistant to the effect of water and detergents.



Sphere of application

It is intended for coating of parquet in leaving spaces, lacquering of wooden stairs and other wooden products under heavy mechanical load. It is also recommended for coating of concrete floors (lacquering and dust laying).

Technical data

Consumption standard of 1 layer	60-80 ml/m ² , depending on the way of application and type of surface.
Solvent	Odorless solvent TM Maxima, maximum of 10% from the varnish weight.
Application	Apply with a brush, a roller or a spraying gun.
Drying period (23 °C, 50% RH)	4 hours. Drying period increases if the temperature is getting down and relative air humidity is getting higher.
Gloss (DSTU ISO 2813)	matt – max. 30 GU semi-matt – 30-60 GU glossy – min. 100 GU (at 60°)
Hardness (DSTU ISO 1522)	≈ 75 sec., König pendulum
Solids content (DSTU ISO 3251)	49±2 %, depending on gloss degree.
Density (DSTU ISO 2811-1)	0,92-0,94 g/cm ³ , depending on gloss degree.
Non-volatile matter by volume (DSTU ISO 3233)	40±2 %, depending on gloss degree.
Warranty period	24 months from the date of manufacturing.
Packaging	0,7kg (≈ 0,75l), 2,3 kg (≈ 2,5l), 9kg (≈ 10l)
Color	colorless.
Gloss	glossy, matt, semi-matt.

Composition

Urethane alkyd resin, solvent, additives.

Application instruction

The condition of receiving a desired result is following directions for using the paint product and the preparation of the surface.

1 Surface preparation

The surface must be dry and hard, free from dust, dirt, mould, corrosion, polishers, oils, or other contamination, and peeled paint coatings. Use these methods of cleaning: mechanical (a scratcher or wire brush), thermal (a heat gun or infrared radiation), and chemical (paint-removal solutions). Avoid using a cleaning option that can damage the base surface.

To make the surface more attractive, emphasize the pattern of the wooden layers, improve the coating properties, prolong the life of the finishing paint product, we recommend polishing the timber along the fibers. Remove the dust after polishing.

If there are resin deposits on the surface, remove them mechanically (with a spatula or a scratcher).

If the wood is infected with a blue stain, mould, or fungi, the infected area must be removed: first, mechanically, and then treated with Antiseptic for wooden surfaces TM Farbex.



Created uneven areas and existing surface defects (holes, shallows, and scolds) must be corrected with a Stucco TM Farbex. After correction, polish the surface and dust it off.

The humidity of the wood must be less than 20% before coating.

The best decorative look is achieved if the surface is fully cleaned of old coats.

Mineral-based surfaces must be hard, without fragile parts or edges. All surface elements must be fully dry and suitable for coating with water-based products. Clean all contaminations thoroughly: efflorescence must be removed mechanically; areas infected by mould and fungi must be removed: first, mechanically, and then treat the surface with Antiseptic for Mineral surfaces TM Farbex. Created uneven areas must be corrected with Plaster TM Farbex. After correction polish the surface and dust it off.

Before you use subordinate products (primer, adhesive, antiseptic, etc.), we recommend checking compatibility on a small area of the surface, following all recommendations and hints made by specialists.

2 Priming

Use these products to prime new or fully cleaned surfaces for the coating maximal resistance and life:

wooden surfaces - alkyd-based wood-protective primer TM Maxima; **ATTENTION!** The primer pushes up fibers of the wood, that is why it is necessary to polish the surface and then apply the varnish.

mineral surfaces - the mixture of varnish and a thinner in ratio 1:1.

3 Applying of finishing layer

Before you apply the varnish, make sure that the previous coats of paint products are dry. Stir the varnish thoroughly until homogeneous before use. Filter the varnish and dilute with odorless thinner TM Maxima until workable viscosity if necessary. Abnormal dilution can spoil the product's resistance to run creation and slow down its hardening.

Apply the varnish in 1 – 2 coats with intermediate polishing. Do not apply the varnish with a thick layer! Apply a subsequent coat after 24 hours.

The surface is ready for exploitation after 48 hours. Final hardening of the surface and achieving the surface's properties is after 14 days.

We recommend using the varnish from one batch for the finishing coat. If you use the products of different batches, mix them.

Carry out the application at the temperature of the air and the surface from + 10 °C till +35 °C and relative air humidity less than 80 %. Provide appropriate ventilation during the application and drying period.

Remember! Mineral and wooden surfaces are porous materials, therefor the consumption of the products and the quantity of coats can increase.

We recommend varnishing with a continuous application along the fibers of the wood, or "from edge to edge (from corner to corner)" or within the limits of the decorative element without breaks.

Thorough treatment of wood edges substantially increases its resistance to exploitation.

When you apply a large area and/or over a long period, we do not recommend leaving the container with the varnish open for a long time.

These methods can apply parquet varnish:

Method of application	Quantity of thinner	Jet size	Pressure
Odorless spraying	0 – 10 %	0.011" - 0.013"	15 MPa (≈ 150 bar)
Pneumatic spraying	0 – 10 %	1.2 – 1.4 mm	0,3 – 0,5 MPa (≈ 3-5 bar)
A brush / a roller	0 – 5 %	-	-

The tools must be recommended for solvent-based paint products.

If you apply with a roller, we recommend using a cuvette for homogeneous wetting of the tool. Attention! For a smoother coating, we recommend using the rollers with a shorter nap.

When you use instruments for the spraying application method, you should follow instruction for exploitation.

For a quality coating, you have to achieve varnishing skills, especially if you use professional instruments.

Compatibility with other coatings:

Depending on the terms of exploitation, the varnish can be used with different primers and finishing coatings. The examples of compatibility are dwelt on below. If you need more precise recommendations, ask the specialists of POLYSAN.

Previous coat – solvent-based paint products.

Subsequent coat – solvent-based or acrylic water-based products.

We recommend testing product compatibility on a small area of the surface.



4 Tool cleaning

Clean tools with a solvent and then with warm water with detergents if necessary.

SAFETY

Keep away from fire! Store in tightly closed original containers at the temperature from -20 °C till + 40 °C. Keep out from moisture and direct sunlight distantly from food in the places out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). Well-arranged ventilation shall be provided during application and 48 hours after works if it is indoors. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. VOC content: cat. A/i (SB): < 500 g/l. Actual VOC content ≤ 499 g/l. It doesn't contain lead and lead compounds. More detailed information you can read in the safety data sheet. The product has a sanitary-epidemical conclusion of the state expertise.

ENVIRONMENTAL PROTECTION

Do not empty into drains, ponds and in soil! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of TU U 24.3-32318370-003:2007. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. Applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

