Floor enamel PF-266



Specification

- It creates a smooth, homogeneous, glossy coating
- It retains permanent gloss and color saturation
- It is resistant to operational load
- It is resistant to the effects of domestic detergents

Sphere of application

It is intended for decorative and protective coating of wooden floors, other wooden and mineral (concrete, cement) surfaces indoors.

Technical data

Consumption standard of 1 layer	70-120 g/m^2, depending on the way of application and type of surface.
Solvent	solvent TM DekART or oderless solvent TM Maxima, maximum 10% of the total weight of the enamel.
Application	Apply with a brush, a roller or a spraying gun.
Drying period (23 °C, 50% RH)	24 hours. Drying period increases if the temperature falls and relative air humidity increases and depends on the consumption of the enamel (the coat thickness).
Solids content (DSTU ISO 3251)	> 60 %
Density (DSTU ISO 2811-1)	1,28±0,03 g/sm^3
Gloss (DSTU ISO 2813)	> 60 GU (at 60°)
Hardness (DSTU ISO 1522)	> 30 sec., Konig pendulum.
Non-volatile matter by volume (DSTU ISO 3233)	56±2 %
Warranty period	24 months from the date of manufacturing.
Packaging	0,3 kg, 0,9 kg, 2,8 kg
Color	yellow brown, golden brown, red brown.
Gloss	glossy.

Composition

Alkyd resin, pigments, fillers, a solvent, and additives.

Application instruction

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

1 Surface preparation

The surface must be dry, thoroughly cleaned until hard base surface from dust, dirt, mould, corrosion, scale, oily, grease, and other contaminations 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.

Mineral surfaces must be hard, without fragile parts and edges. Plastered or adhesive elements must be completely dry be ready for coating with water-based products. Thoroughly remove all contamination:

- efflorescence must be removed mechanically;

- mould or fungi must be removed mechanically, then treat these surfaces with antiseptic for mineral surfaces TM Farbex.

Appeared defects on the surface must be corrected with Plaster TM Farbex. The plastered surface must be polished and dusted off.

Wooden surfaces must be polished manually or with a polisher. Remove abrasive dust from the surface. Remove resin deposits from the surface of the wood mechanically (with a spatula or a scratcher). If wood is infected by blue stain, mould, or fungi, remove infected areas:

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first mechanically, then treat the wood with antiseptic for wooden surfaces TM Farbex. Correct any created uneven areas with Putty TM Farbex. Polish the corrected surface and dust it off. The humidity of the wood must be less than 20%.

Hard previously applied coatings must be polished and dusted off. It is necessary for better adhesion of a paint product.

Before you use subordinate products (a primer, an adhesive, antiseptic, etc.) we recommend checking the compatibility of the products on a small area of the surface, following technical directions or specialists' advices.

2 Priming

Providing maximal exploitation resistance of the coating, use the following for priming:

Wooden surfaces - alkyd-based wood-protecting primer TM Maxima. ATTENTION! The primer raises the wood fibers; therefore, you must polish the surface before applying the enamel.

Mineral surfaces: a mixture of enamel and thinner in a 1:1 ratio.

3 Applying of finishing layer

Stir the enamel thoroughly to a homogeneous condition. Filter the enamel if necessary and/or dilute it with a diluent TM DekArt or odorless diluent TM Maxima till working viscosity (abnormal dilution spoils the resistance of the material against runs creation and makes hardening slower).

To provide optimal properties of the surface, you must coat it in 2 coats. A subsequent coat must be applied only after 24 hours. To avoid deviations in colors, if coating the surface with finishing coat, we recommend using the product of one batch. In case you use the product of different batches, it is necessary to mix them.

Carry out works at the temperature of the air and the surface from +5 °C to +35 °C and relative air humidity under 80% (the temperature of the surface must be 3 degrees above the dew point). Do not apply the product under direct sunlight, strong wind, and precipitation.

Remember! Mineral and wooden surfaces are porous materials, and the consumption of the product can be increased.

A hint! For the best possible exploitation properties of the coating, the floor enamel should be applied with thinner coats but several times, keeping a total summary of the recommended consumption.

We recommend continuously carrying out the application "from edge to edge (from corner to corner)" or within the limits of the decorative element without breaks. When you carry out an application on a large area and/or during a long period, we recommend stirring the enamel from time to time. We do not recommend keeping the container with the paint open for a long period.

Alkyd enamel PF-266 can be applied by following methods

Method of application	Quantity of diluent	Jet size	Pressure
Airless spraying	0 – 5 %	0.017" - 0.023"	15 MPa (≈ 150 bar)
Pneumatic spraying	0 – 10 %	1,0 – 2,0 mm	0,3 – 0,5 MPa (≈ 3-5 bar)
A brush / a roller	0 – 5 %	-	-

The tools must be recommended for solvent-based products.

When you apply with a roller, we recommend using a cuvette for homogeneous wetting of the tool. **Attention!** For a smoother coating, we recommend using a roller with a short nap.

When using instruments for spraying application, you should follow the instructions for exploitation.

For a quality coating, you must obtain painting skills, especially if you use a professional instrument.

A PIECE OF ADVICE: To increase the period of exploitation of the coating and improve durability, we recommend applying a finishing coat of parquet alkyd varnish PF-231 TM Farbex.

Compatibility with other coatings

Depending on the exploitation conditions, it can be used with different primers and finishing coatings. The examples are stated further. Call the specialists of POLYSAN to receive more detailed recommendations.

Previous coating – alkyd solvent-based products.

Subsequent coating – alkyd solvent-based products and acrylic water-based products.

Compatibility of products is recommended for testing on a small area of the surface.

4 Tool cleaning

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

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SAFETY

Keep away from fire! Keep in tightly closed original containers at the temperature from -20 °C till + 40 °C. Keep out of moisture, direct sunlight and food. Keep in the places out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). Provide well-arranged ventilation of the space if the application is indoors and 48 hours after coating. 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 ≤ 400 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 24.3-14005076-068:2005. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. The 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.

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