

1K Water-Based Surface Varnish

Description:

1K Water-Based Surface Varnish is a one-component lacquer based on water for painting wooden surfaces such as planks, parquets, mosaics, technical floors, parquet pavements and heated floors (classification A according to PN-C-81802:2002). Varnish is available in two versions: flat and semi-flat.

Preparation of surface:

Sand the surface with a drum sander using a 36-100-grit sandpaper. Repair cracks and scratches with a filler, sand them with a drum sander using a 100-grit sandpaper and a disk sander with a 100-120 grit abrasive net. The surface must be dry, clean and free of dust. Depending on the type of lacquer system, apply a bottom or surface varnish.

Application conditions:

Room, floor and varnish temperature should range from 17 to 25°C
Relative humidity of air should range from 50-70%.

Recommended varnishing systems:

- A 1 layer of Water-Based Primer
2-3 layers of 1K Water-Based Surface Varnish
- B 2 layers of Water-Based Primer-Gel
2-3 layers of 1K Water-Based Surface Varnish
- C 1 layer of Solvent-Based Primer
2-3 layers of 1K Water-Based Surface Varnish
- D 3-4 layers of 1K Water-Based Surface Varnish – recommended for intensively used and exposed to high traffic surfaces and exotic type of wood (after making tests).
Not recommended for parquet boards and floor heating.

Rules of procedure:

Shake well to obtain a homogenous texture of varnish. Apply with a roller for water-based products. Apply evenly to avoid excessive varnish. Tracks of varnish should be overlapping. Apply 2-3 layers of varnish. Make at least 4 to 6-hour intervals between applying successive layers. Intervals should not be longer than 24 h. Before applying the final layer, flatten the previous one with a disk sander using a 120-grit sandpaper (abrasive net) or finer. After flattening, dust-free the surface thoroughly. It takes 10-14 days for the varnish to harden completely. Only then is it suitable for normal use: cover with carpets, clean regularly.

In the case of painting problematic types of wood such as beech, maple, ash or exotic timber, applying varnish with a filling knife is not recommended. Use a roller instead.

In the case of painting old floors, it is recommended to make an adhesiveness test first. Sand a small area with sandpaper, 120-150 grit; apply varnish and leave it intact for a few days to harden. Check the adherence of varnish with a coin (scrap varnish hard with the coin's edge). If the varnish sticks well, flatten the whole area with a 100-grit abrasive net and apply one or two layers of varnish.

Package:

- Plastic 5L container
- Plastic 1L container

Gloss level:

- Flat at 60° ca. 20
- Semi-Flat at 60° ca. 40

Drying time:

Approx. 4-6 hours in a room temperature (20°C) and the air humidity of 50-70%

Final hardening:

Approx. 10-14 days in a room temperature (20°C) and the air humidity of 50-70%

Colour:

- in package: milk-white
- after varnishing: enamel, transparent

Smell:

Mild, faintly perceptible

Yield:

| | Consumption | Yield from 1L |
|---------------------------------|-------------------------|-----------------------|
| (1 layer) with a paint-roller: | 100-120 ml/m | 2.8-10 m ² |
| (1 layer) with a filling knife: | 30-40 ml/m ² | 25-30 m ² |

Contents of volatile organic compounds:

VOC limit (cat. A/9) = 140g/L

VOC < 110g/L

Volatile organic compound (VOC) compliant with Directive UE 2004/42/CE of 21 April 2004.

Application methods:

- Apply with a roller for water-based products or a filling knife.
- Not recommended for pouring out directly on the wood (use bucket for varnishes).

Cleaning of tools:

Wash with water immediately after use.

Storage time and conditions:

12 months of the production date in a temperature above 5°C