



ILMA

Waterborne polyurethane floor varnish



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Description

The Ilma P.U. Parquet Floor Varnish is a hybrid water based one component varnish based on acrylic and polyurethane resins (new hybrid technology). Displays excellent resistance to mechanical stress, while maintaining its elasticity. Develops strong adhesion on surfaces where applied. Resistant to mild cleansers and a household stains. It is suitable for indoor and outdoor use on wooden floors, that are either new or previously painted with alkyd or polyurethane paints.

Product Characteristics

- UV Protection (Hals protection)
- Non-yellowing
- Water-soluble
- Gloss, satin and matt finish
- Transparent
- Does not alter the shade of the painted surface
- Excellent resistance to weather conditions
- Excellent resistance to mechanical stress
- Resistant to mild cleaners
- Strong adhesion
- Easy to apply
- Suitable for indoor and outdoor use
- Harmonized with Directive 2004/42/EC

Application Instructions

The product is ready to use. On new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume and then apply two coats with an interval of at least three hours between them. On previously painted surfaces, apply two coats after proper preparation. The material obtains its final strength after 14 days. After 2 days can be made gentle and careful use.

Surface Preparation

Surfaces must be clean, dry and free from dust, grease, oils, etc. For new surfaces sand with mechanical means (eg 120 grit) and remove the dust. Then the product is applied. For previously painted surfaces rub mechanically first 2 times with sandpaper (e.g. 80) and then with fine sandpaper (e.g. 150). Carefully remove dust and then apply the product. The weather conditions during application should be mild with temperatures from 12 to 35°C and a maximum relative humidity of 70%. Also after the application of the product there should not be a high chance of rain or humidity for at least 48 hours.

After use, remove any remaining paint from the tools and clean them with water and soap. Eluants must be handled according to the current legislation and the local regulations.

Technical Specifications

Binder: Special, high performance, acrylic and polyurethane resins.

VOC: 100gr / lt (thinned- ready to use).

Special gravity: $1,03 \pm 0,01\text{gr/ml}$ (ISO 2811)

Viscosity: 55 - 65 sec, 25°C (Flow Cup 4 DIN 52311)

pH: 7.5 - 8.00

Gloss:

Glossy

70 - 80 units at 600

Satin

50 - 60 units at 600

Matt

15 - 20 units at 600

Coverage: 14 - 18m²/lt (these values may vary, depending the surface absorbency and the application method)

Solvent: Water.

Thinning: The product is ready to use. For new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume.

Touch dry: 1 to 1.5 hours. (These times can be elongated depending on the temperature and humidity)

Recoating: After at least 3 hours. (These times can be elongated depending on the temperature and humidity)

Application: The product is applied by brush, roller or soft spatula.

Labelling- Prevent Environmental Damage

The product is not classified as hazardous and does not require warning safety measures. Empty containers and product residues must be disposed of in accordance with current legislation and local regulations. For more information ask the Material

Safety Data Sheet

Recommended personal protective equipment

Use of the product doesn't require special protective equipment. Make sure there is sufficient ventilation and wear protective gloves and glasses.

Storage

Keep containers tightly closed and protect from frost. For long term storage the product is best kept indoors to avoid exposure to very low or high temperatures and high humidity.

Transportation

Not classified as dangerous for road transport under Regulation ADR.

According to 2004/42/EC

Phasell, Subcategory i, one-pack performance coatings/ floor varnish, Max VOC Content limit value:140gr/lit
Max VOC content:100gr/lit (redy to use product).

All the above information is based on laboratory tests and long-term experience of the company's scientific personnel. Product quality is guaranteed by our operational system, which is based on the requirements of ISO 9001, ISO 14001 and OHSAS 18001 Standards and EMAS Regulation. As producers we don't take any responsibility for any damage that may caused in cases that the product hasn't been used for the appropriate application and according to the application instructions.

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