

ECOFAST UV

Single-component polyurethane-acrylic water-based UV curing lacquer for wooden floors



Description

ECOFAST UV is a single-component polyurethane-acrylic water-based UV curing lacquer in situ for wooden floors. ECOFAST UV has high abrasion and traffic resistances allowing its use for high traffic surfaces. ECOFAST UV is UV curing with portable UV machines where a fast walkability is required. ECOFAST UV has been formulated in order to meet the highest anti slip standard requirements for sportive wooden floors. ECOFAST UV is in conformity with European standards for sportive wooden floors meeting EN14904 standard's requirements.

Characteristics

Mixture ratio	single-component
Application temperature	+10°C ÷ +25°C
Application	spray / 4-6 mm microfiber roller, following UV reticulation
Thinning (if necessary)	water (suggested 5% - max 10%)
Coverage	70-90 g/m ²
pH	7,5 ÷ 8,5
Hardness König	105 s
TABER-TEST CS10	13,2 mg (1 kg for wheel, 1000 rotations)
TABER-TEST CS17	17,2 mg (1 kg for wheel, 1000 rotations)
VOC %	4,66%
VOC g/L	48,88 g/L
Hardness Buchholz	112 BH
Flash-Off	15'-20' ⁽¹⁾
Waiting time	before UV reticulation: 2-4 h ⁽¹⁾
Sanding	immediately after UV reticulation ⁽¹⁾
Gloss level	LD: 70 gloss; SL: 35 gloss; OP: 10 gloss ⁽²⁾
Chemical and physical characteristics	excellent
Coating	good
Wood oxidation	light
Storage stability	6 months ⁽³⁾
Packaging	5 Kg
Tool cleaning	DILUENTE DNH 40 (with fresh product)

1 at 20°C and 65% R.H.

2 onto wet film of 90 micron hardened at 20°C and 65% R.H. for 7 days

3 in original sealed containers at temperatures between +10°C and +25°C

How to use

ECOFAST UV has to be applied on previously sanded and thoroughly vacuumed wooden floors.

Shake ECOFAST UV well before the use.

ON SITE APPLICATION:

Apply the first coat of ECOFAST UV by roller and wait the complete evaporation of water (2-4 h) before proceed with UV reticulation.

Sand ECOFAST UV with 220 paper grit than apply the second coat of ECOFAST UV, waiting for the complete water evaporation. Proceed with UV reticulation, followed by 320 paper grit or scotch brite bordeaux and subsequent application of the third coat of ECOFAST UV only if necessary. Wait for the complete water loss before UV reticulation.

The wooden floor treated with ECOFAST UV is immediately ready for foot traffic.

INDUSTRIAL APPLICATION:

Apply 90-110 g/m² of ECOFAST UV by manual or mechanical spraying machines, drying the surfaces on trolley or using hot air tunnel .

After the complete water evaporation proceed with UV reticulation bu 1/3 UV mercury lamps. ECOFAST UV can be piled only after the UV reticulation.

The complete cycle requires at least the application of two coats of ECOFAST UV.

OLD UV PRE-LACQUERED WOODEN FLOORS RESTORING:

Sand the surface with 150/180 paper grit, before a proper cleaning and de-waxed the surface, applying one coat of ECOFAST UV. Wait for the complete water evaporation before UV reticulation.

Sand the UV pre-lacquered surface with 150/180 paper grit than with 240 paper grit, apply one coat of ECOFAST UV, waiting for the complete water loss before UV reticulation. If the desired coverage is not achieved, sand the surface with 320 paper grit and apply a second coat of ECOFAST UV. After the complete water evaporation proceed with UV reticulation. The wooden floor is immediately ready for foot traffic. It is strongly recommended to run preliminary test before the old UV pre-lacquered wooden floor restoring.

The maintenance of wooden floors treated with ECOFAST UV has to be done with VELUREX range of products (see technical data sheets).

Notes:

Follow the recommended coverage with care.

Make sure to use the UV machine over the entire surface. The areas that have not been treated will remain fragile and will not achieve the desired performance.

These information are given from the best of our knowledge and technical experience. They are of general character and not binding in any way our company. Every single case should be put to a pratical test by the user who assumes the full responsibility of the final result of his work.

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The time that it takes the water to evaporate is strongly depending by the thickness of the coat applied, the temperature and by the relative environmental humidity. Before proceeding with the UV curing procedure, make sure that the water has evaporated entirely. The photo cross-linking of films that are not properly dry, leads to the decrease chemical and mechanical resistances of the lacquer. Therefore, it is necessary to pay particular attention especially during the last coat.

When restoring old parquet floors pre-painted with UV product it is always necessary to do a preliminary test to verify the adhesion.

Wait the complete water evaporation (2-4 hours) before the full UV photocuring.

The product is sensitive to light. Do not keep the buckets exposed to direct light or sources of heat.

Label elements

	<i>For more information about the safe use of the product it is recommended to consult the latest version of the Safety Data Sheet.</i>
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Web link

Be sure to have the latest version of this technical data sheet downloadable also from the following link:



http://www.chimiver.com/tds/EN_ECOFAST_UV.pdf

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