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Technical Datasheet

Item Code: ECFL001X | Rev.: 20-10-2026 | Ver: 4.0

FAST UV LED

Single-component water-based LED curing lacquer for wooden floors

Description

ECOFAST UV is a single-component water-based LED curing (395 nm) lacquer in situ for wooden floors. FAST UV LED has high resistance to foot traffic and abrasion and is therefore suitable for flooring subject to high wear. FAST UV LED is cross-linked using portable LED (LEDY) machines and is recommended where rapid use of wood flooring is required.The coating cycle for wooden floors, applying 2 coats of FAST UV LED at 70 g/m2 each, achieved class Cfl-s1.

Characteristics

Mixture ratio	single-component
Application temperature	+10°C ÷ +25°C
Application	8 mm microfiber roller, following cross-linking with 395nm LED lamp machine (LEDY)
Thinning (if necessary)	water (suggested 5% - max 10%)
Coverage	80-100 g/m² (135-108 ft²/Kg)
Hardening	LED lamps 395 nm at least 600 mj/cm²
pH	7,5 ÷ 8,5
Flash-Off	40'-60' *(1)*
Waiting time	before UV reticulation wait: 1-2 h *(1)*
Sanding	immediately after UV LED cross-link *(1)*
Gloss level	5 - 20 gloss *(2)*
Chemical and physical characteristics	excellent
Coating	good
Wood oxidation	light
Storage stability	6 months *(3)*
Packaging	1 L - 5 L
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

FAST UV LED must be applied on wood previously filled, sanded and carefully vacuumed. Shake FAST UV LED well before use.

APPLICATION:

After having prepared the wood and having sanded with a 120/150 paper grit, apply the first coat of product by roller and wait for the complete evaporation of the water (at least 1 hour) before proceeding to the cross-linking with LED lamps with LEDY. Sand FAST UV LED with 220/320 paper grit and then apply the second coat of FAST UV LED and wait for the complete evaporation of the water. Proceed again to cross-link with LED lamps, sand with 320 paper grit or alternatively scotch brite bordeaux, and apply the third coat of FAST UV LED if necessary. Wait for the water to evaporate completely and then proceed to the LED light curing with LEDY. The floor is immediately walkable.

RESTORATION OF OLD UV-COATED FLOORING:

It is strongly recommended a preliminary test before proceeding with the restoration of the wood flooring. Sand the surface with paper or mesh grit 150/180 and 220 grit afterward, apply a coat of FAST UV LED, Wait for the complete evaporation of the water before proceeding to the LED light curing with LEDY. If the coverage is not enough, sand the surface with 320 grit and apply the second coat of FAST UV LED. When the water has evaporated, proceed to the LED light curing with LEDY. The floor is immediately walkable. Ordinary and/or extraordinary maintenance of the floors treated with FAST UV LED must be carried out with the products of the VELUREX line (see related data sheets).

Note:

Be sure to pass the LEDY over the entire surface. The non-processed areas remain soft and with inadequate performance.

Label elements

· For more information about the safe use of the product it is recommended to consult the latest version of the Safety Data Sheet.

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_FAST_UV_LED.pdf

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 responsability of the final result of his work.

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