



UVEHEL

UV CURING COATINGS FOR PARQUET TREATMENT

HIGH PERFORMANCE PARQUET TREATMENT

Pre-finished parquet is currently the most desired parquet type. Quick installation and beautiful natural wood treated with UV curing coatings in combination with different color shades is the perfect solution for walking surfaces.

Parquet surfaces can be colored (different shades of stain) or in neutral tones; they can be smooth, brushed and with more or less visible wood structure in different gloss effects.

UVEHEL lacquers - UV curing coatings for parquet treatment are one-component coatings that ensure a high-performance protection against mechanical damage, give the surface excellent chemical resistance and a proper elasticity of the system. The UV curing coatings for parquet treatment include the **UVEHEL water-based isolation primer, UVEHEL putties,**

UVEHEL base lacquers and **UVEHEL top lacquers** with different gloss effects.

The most used top lacquer is semi-matt, because it is less sensitive to dust and damage, and matt surfaces are also becoming more and more attractive because they give wood a natural look.

HIGHLIGHTS

- Perfect solution for walking surfaces
- Cost and time-efficient production
- Low VOC content
- 1K system
- Great chemical and physical properties of cured films

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PRODUCT SET – UVEHEL UV CURING COATING FOR PARQUET TREATMENT

Stains and UV isolation primer	UV putties	UV base lacquers	UV top lacquers
UVEHEL UV curing water-based isolation primer with excellent adhesion to the surface (solid wood, veneer etc.), also in matt version.	UVEHEL putty for closing pores, transparent, suitable for dark colored surfaces. Possible application with a pump or manually.	UVEHEL base lacquers provide good sanding properties and flexibility in the treatment system. They can be colored and in matt version.	UVEHEL top lacquers offer excellent scratch protection. Available in different gloss effects.
		UVEHEL abrasion primer offering resistance against damage. It is harder to sand, also in matt version, possible to achieve different color shades.	

For surface coloring use **waterbased EKOHEL stains**.

The number of UV coats on the parquet depends on the desired quality of final treatment, appearance and equipment conditions. Every layer has a specific function and contributes to the final quality of the walking surface/parquet.

APPLICATION

Application method	Roller application
Viscosity	The supplied material viscosity is the working viscosity
First layer in the system of treatment	The UV water-based isolation primer
Application method	UV putties and UV base coats are applied directly to the isolation primer
Inter-layer sanding	To achieve sufficient inter-layer adhesion bonding we recommend sanding with sanding paper of granulation (P 400-500) before applying the next layer
Storage and transport	Optimal at temperatures between +5°C and 35°C
Stacking	Immediately after UV curing



UV CURING EQUIPMENT

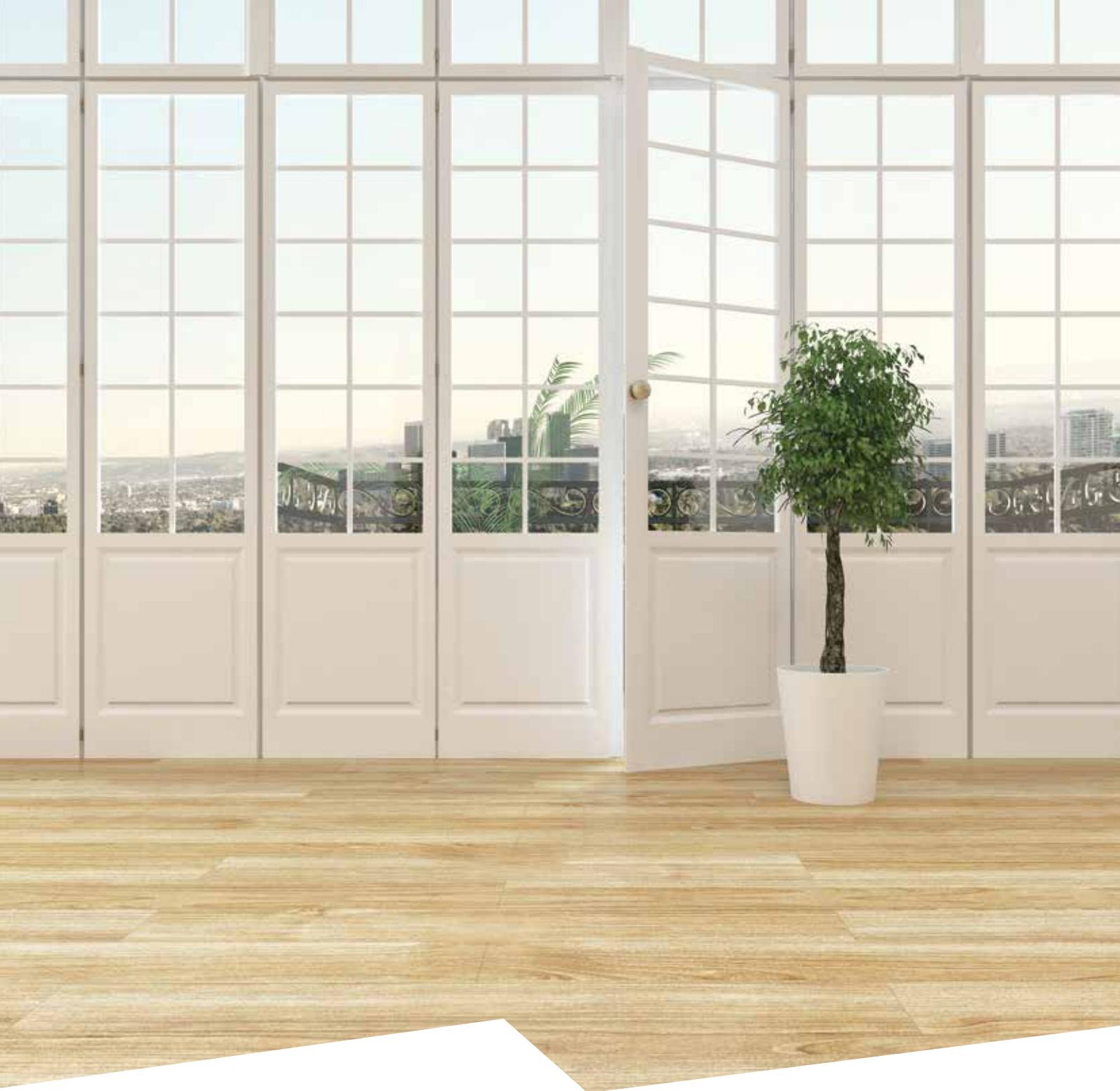
UVEHEL coatings are cured under a UV drier, equipped with medium-pressure Hg lamps with intensity of 80-120 W/cm.

Gelling	1xHg lamp (1x80 W/cm)
Curing	2xHg lamp (2x80 W/cm)
<p>Intensity of emitted light and the line speed affect the UV curing. The surface temperature and line speed affect the gloss effect. It is obligatory to keep the mirrors/reflectors clean and refer to the operating hours of lamps.</p>	

Certification

UVEHEL UV curing coatings for parquet are tested in accordance to the EU standards:

- adhesion and inter-layer adhesion (EN14354),
- wear/abrasion resistance (EN13696, EN14354),
- elasticity (EN13696),
- scratching and microscratching (EN438-2),
- chemical resistance (EN13442),
- slipperiness (CEN/TS15676),
- gloss (EN13442).



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