

UVElite

UV curing waterborne PU finish, free from NMP



ARBORITEC UV-COATING

UV curing is the newest technology to hit the wood floor refinishing sector. Used for decades in the prefinished flooring industries, UV curing offers instant finish curing for on-site use. The power of UV guarantees instant curing, eliminating the high possibility of floor damage during the curing process. Only the top coat of UVElite needs to be UV cured, offering the quickest and easiest UV solution in the market. UVElite's formula represents the cutting edge of finish technology, and ensures the maximum durability and strength, as demonstrated in Arboritec's entire line of waterborne finishes.

PRODUCT FEATURE

- UV cured waterborne PU finish
- Designed for immediate UV curing and to be exceptionally durable on wood and parquet floor
- Extraordinary resistance to marks, scuff, and chemicals
- Recommended for use in commercial areas
- Exceptional flow and levelling
- Fully cured with UV lamp within seconds
- Superior adhesion properties for recoating
- Free from NMP, isocyanates and solvents, extremely low VOC
- Matt(20), Satin (45) and Gloss (90)

PREPARATION

Sand the floor to bare wood and make sure it is dry and free from contaminants. Final sanding with sanding paper 120 grit belt and 100 grit screen. The temperature of the room, floor and finish must all be kept the same within the range of 15° C to 25° C. Protect the floor from direct sunlight and turn off all under floor heating during and after the application. Relative humidity of the room should be between 40% and 60%. Do not thin the finish. Always use UVElite with an Arboritec "First Coat", following label instructions. Measure the surface humidity (for example with a Ligno Scanner S or similar). Shake the container well for 30-60 seconds, let it rest open for 2-3 minutes to let the air bubbles surface before applying.

APPLICATION

UVElite is suitable for application with a 10mm roller, lightweight T-bar applicator, or brush. Apply the first coat of UVElite 80-100g/m² and leave to dry for 1-3 hours (down to 6-8% RH or the original surface humidity). Apply a second coat and leave to dry for a further 1-3 hours depending on drying conditions. It is important that the surface humidity is under 8% RH, or the same as its background value*, to guarantee optimal curing conditions. Clean tools in water at once after application. Test the products on a smaller area to ensure colour and adhesion on new wood type. Recommended method of application is 2-3 layers of UVElite over 1 layer of Arboritec "First Coat". We recommend application of between 300g/m² in three coats to 400g/m² in 4 coats.

*Background value: the original moisture content of the surface before starting the finishing process. This may vary by the external characteristics of the site, such as temperature and relative humidity of the room.

CURING WITH UV

Use a portable UV unit at a run speed of 6-12 meters per minute, with lamp width between 30 and 45 cm, depending on size and model of the machine. Make sure you overlap to ensure that the whole surface is cured. The floor can be used immediately after curing.

RECOATING

For previously finished floors with any of Arboritec's finishes, use Arboritec recoat system, "Clean 'n Coat", following application instruction.

HEALTH AND ENVIRONMENT

UVElite is not classified under C.H.I.P. regulations. Usual precautions for handling chemical products should be considered. Ensure adequate ventilation. Use protective goggles and gloves. In case of skin contact, wash thoroughly with soap and water. For eyes, flush with plenty of water. For further information please refer to the material safety data sheet.



TECHNICAL DATA

Content:	UV curable polyurethane dispersion
Solids by volume:	32%
Additional Feature:	NMP free
Viscosity:	20-23 seconds (FC 4, 20°)
Recommended use:	Commercial
VOC:	<10g / litre
Gloss level:	Matt – 20 Satin – 45 Gloss - 90
Coverage:	10-12 m ² / litre
Drying time:	1-3 hours depending on drying conditions
UV cure:	6-12 m/min or about 100-250 m ² /hour including overlaps
Fully cured:	Immediately after UV curing
pH:	approx. 8
Weight:	1,05 kg/litre
Colour:	Milky white, clear when dry
Toxicity:	Nontoxic
Packaging:	3 x 4 liter plastic cans
Storage:	Store between temperatures of 5-25°C. Protect from frost.
Shelf life:	Best before 8 months from date of manufacture in unopened original packaging under recommended storage condition.
Chemical resistance:	Resistant to grease, water and regular household cleaners and detergents
Clean up:	Clean tools in water at once after application.
Cleaning and maintenance:	To keep the floor looking its best, clean and maintain floor using Arboritec "Cleaner Spray" and "Refresher", following application instructions. Do not clean the floor before it is fully cured. For more information please see Arboritec's Maintenance Instruction .
Disposal:	Never pour surplus floor finish down the drains, allow it to dry and dispose of it in accordance with local regulations.

A safety data sheet is available for professional users on request. Keep out of the reach of children.

For technical advice: Contact your distributor or Arboritec Technical Service at +46 303 56330

The information and recommendations in this data sheet are guidelines for application and are not to be construed as a guarantee. In all cases it is the responsibility of the user to determine if the product is suitable for the purpose, and complete a successful application. Arboritec can only guarantee the delivered product. If the user is in doubt we would recommend a preliminary onsite test. Please ensure you have read and understood all information on the labels and in the safety data sheets before using this product.

Rev 16-09-01. This data sheet replaces all previous versions.