



UVElite

Commercial Site Cured Ultraviolet
Waterborne Wood Floor Finish

 **MADE IN SWEDEN**

ACCELERATED NANOTECHNOLOGY

Nanotechnology is the art and science of creating materials at the ultra-small nanoscale (down to 1/100 000 the width of a single human hair) to create new and unique products that can work better and last longer. The nanoscale is the scale of atoms and molecules, the fundamental building blocks of the material world. At the nanoscale, we have been able to affect the properties of materials directly, making our sealers and finishes harder and more durable. Simply making things smaller changes their properties. Nanoparticles' small size allows them to get places that conventional particles would not be able to go. This means penetrating deep within the wood, enhancing the adhesion, strength and scratch resistance. Since our products are fortified with Ceramic Silica, it also solves the problem of white lines. When finish breaks evenly on board edges with floor movement, there are no white lines. At the end of the day, our Accelerated NanoTechnology is all about doing things differently. Faster, Stronger, Harder.

It's the smallest things that make the biggest difference!



PLEASE READ ALL INSTRUCTIONS AND SAFETY DATA SHEET BEFORE USING.

UVELite



PRODUCT DESCRIPTION

Arboritec™ UVELite is the newest Hi-Tech development in the wood floor finishing industry. UVELite is going to change the way that wood floors are finished and refinished. UVELite is an extremely hard and wear resistant waterborne UV cured polyurethane finish with durability significantly greater than any two component waterborne finish on the market today. UVELite is cured on the job site with a portable ultraviolet machine which provides instant curing of the finish. This allows immediate use of the floor by residential and commercial floor owners. The instant cure of UVELite provides superior resistance to scuffs and chemicals. Furniture, fixtures, rugs etc. can be replaced as soon as the floor has been cured, and the floor owner will have complete and full use of the floor. UVELite is also one of the most environmentally responsible finishes available. It has passed two very strict air quality tests and regulations. Arboritec was granted the DIBt (Deutsches Institut für Bautechnik) certificate for UVELite. The DIBt certifies that UVELite provides better air quality and a safer environment for users and floor owners. UVELite also passed the strict California Department of Public Health regulation 01350. UVELite is completely free of solvents, isocyanates and NMP.

DIRECTIONS FOR USE

Prepare the floor as per NWFA standards. Make sure the surface is dry and free from dust, wax, grease and other contamination. Temperature of the room, floor and finish must all be kept the same within the range of 55° F to 86° F. Relative humidity of the room should be between 40% and 60%. Shake the container well for 30-60 seconds, before opening. Allow to rest for 2-3 minutes, before applying.

APPLICATION

Arboritec™ UVELite UV cured waterborne finish is suitable for application with a lightweight t-bar applicator, roller or brush. Spread UVELite finish evenly on the floor at a rate of 500 – 600 sq. ft. per gallon. **UVELite Finish Systems include:** Arboritec™ First Coat sealer, Avenue and UVELite. **No other sealers or finish coats are warranted when used with UVELite.**

New untreated floors or sanded down to bare wood. Recommended application procedure: Apply 2-3 coats of UVELite at a rate of 500-600 sq. ft. per gallon on a freshly stained or sealed floor. For best results, use Arboritec™ sealers: First Coat or Vibrant. **NOTE:** Make sure oil-based stains and sealers are solvent-free prior to over-coating; this is determined by your jobsite conditions, and may be longer than the coating time specified on the stain or sealer label/instructions. **1.** Take moisture reading for background value. **2.** Seal the floor following label instructions. **3.** Abrade between coats if necessary. **4.** Vacuum all dust and tack with a lightly water dampened cloth. Allow the floor to dry completely. **5.** Apply a coat of UVELite. Allow 1-2 hours dry time between coats. **6.** Apply second coat UVELite in same manner, and third if necessary.

Previously finished or factory prefinished floors (not sanded down to bare wood). Recommended application procedure: Apply 1-2 coats of UVELite after preparing and deep cleaning the floor with Arboritec™ Clean 'n Coat, following label instructions. It is recommended that adhesion is first tested on a sample test area before recoating the entire floor. **1.** Take moisture reading for background value. **2.** Deep clean the floor with Arboritec™ Clean 'n Coat, following label instructions. **3.** Apply one (1) coat of Arboritec™ Avenue waterborne finish following label instructions. **4.** Apply one (1) coat of UVELite finish evenly on the floor. **5.** Allow coat to dry for 1-2 hours. **6.** Apply additional coat of UVELite if necessary and allow to dry. **NOTE:** If the floor has previously been treated with wax, polish, oil etc., it cannot be recoated unless it is sanded down to bare wood. Always observe the flooring manufacturer's advice or contact Arboritec Technical Service or your local distributor for more information.

CURING

For optimal curing conditions, ensure that the relative humidity of the floor matches the background value* before starting the curing process. Thoroughly read the user manual and instructions provided with the UV curing unit before proceeding with the curing process. It is recommended that the UV lamp power be tested first on a sample area before curing the entire floor. Use a portable UV unit at speed of 30 feet per minute with a lamp output between 1700 – 3000 watts. Ensure pass overlap in order to cure the entire floor surface. The floor can be used immediately after curing UVELite without risk of "early on damage." Furniture, fixtures, rugs etc. can be replaced as soon as the floor is cured by the UV machine.

***Background Value** – The original moisture content of the wood floor before starting the finishing process.

ENVIRONMENTAL

Arboritec™ UVELite is one of the most environmentally conscientious waterborne wood floor finish available today. Using renewable resources is one of Arboritec's primary goals in developing better, safer waterborne finishes and sealers, building a greener world, one floor at a time.

TECHNICAL DATA

SHAKE VIGOROUSLY



Recommended Use Gloss Levels (60" Gardner)

Commercial
Gloss (90), Semi-Gloss (45),
Satin (20), Ultra-Matte (5)
NMP Free
Maximum of 21 g/L (VOC)
Approx. 32%
Approx. 8
8.76 lbs./gallon (1.05 g/cm³)
Very light, non-offending
Non-hazardous
500 - 600 sq. ft. per gallon

Additional Features Volatile Organic Compound Solids by Volume

pH
Density
Odor
Toxicity
Coverage

Defoaming
Flow and Leveling
Color
Dry Time (68" F, RH 55%)
Cure Time
Adhesion for Recoating
Packaging
Storage
Shelf Life
Chemical Resistance
Clean Up
Disposal
Maintenance

Excellent, Virtually no bubbles
Exceptional
Wet: Milky White, Clear when dry
Per Coat 1 - 2 hours
Immediately after UV Curing
Excellent
3 x 1 gallon
Non-flammable, KEEP FROM FREEZING!
12 months in unopened original container at 41°F - 77°F
Resistant to grease, water and regular cleaners and detergents
Thoroughly clean all application tools with water, right after using
Dispose in accordance with local regulations
Use Arboritec™ Cleaner to keep the floor looking its best

There are no express or implied warranties, including warranties of merchantability and/or fitness for a particular purpose. Buyers' remedies are limited to replacement or refund of the purchase price. Manufacturer assumes no liability for injuries, incidental or consequential damages. User shall determine suitability of product for intended use.