

# UVElite RES

**UVElite**<sup>®</sup>  
RESILIENT RESTORATION

UVElite RES is commercial-grade finish that uses UV light to quickly restore and provide our most durable protection to resilient floors. UVElite RES represents a completely new and cost-effective approach to renovating and maintaining homogeneous sheet vinyl and linoleum floors, LVT, and VCT. Using the power of UV light, we can quickly resurface resilient floors to restore lasting beauty and protection even to heavily damaged resilient floors. In addition, UVElite RES makes floors extremely easy to clean, and eliminates the cost of maintaining floors using conventional approaches like polish and wax.

Once cured, UVElite RES coated floors are immediately ready for full use. The photoinitiator cross-link that is established when cured with UV lamp is extremely durable and tough. UVElite RES is a protective layer designed to quickly create exceptionally-durable resilient floors.

## ADVANTAGES

- **Highest durability** - UVElite RES provide the most durable, longest lasting performance of any of our floor coatings.
- **Instant Cure** - UVElite RES is fully cured instantly, completely eliminating the possibility of early use damage. This adds maximum life and value to your floor.
- **Environmentally considerate** - Lower VOCs than competitive peers. At less than 10 g/L VOC, it is the lowest-VOC resilient floor finish on the market. It is solvent-free and contains no NMP.
- **Optimized open time, flow and levelling** - UVElite RES is an exceptionally easy coater.
- **Superior scuff resistance** - Highly resistance to marks, scuffs, and scratches.
- **Ease of maintenance** - Designed to create more easily cleaned and maintained resilient floors – wax and polish is no longer required!

## TECHNICAL DATA

<b>RECOMMENDED USE</b>	Commercial
<b>CONTENT</b>	UV-curable polyurethane dispersion
<b>SOLIDS BY VOLUME</b>	32%
<b>VISCOSITY</b>	19-21 seconds (FC 4, 20°)
<b>VOC</b>	< 10g / liter
<b>GLOSS LEVEL</b>	Ultra Matt 10% - Matt 20% Semi Gloss 45% - Gloss 90%
<b>SINGLE COAT COVERAGE</b>	60-80 m <sup>2</sup> (650-850 ft <sup>2</sup> ) per jug
<b>DRY TIME</b>	1-3 hours depending on drying conditions.
<b>UV CURE SPEED</b>	6-10 meters (20-33 ft) per minute - depending on UV lamp output of your specific machine.
<b>READY FOR FULL USE</b>	Immediately after UV curing.
<b>pH</b>	approx. 8
<b>WEIGHT</b>	4.2 kg (9.3 lbs) per jug
<b>PACKAGING</b>	3 x 4 liter (1.05 gal) per box
<b>STORAGE</b>	Store between temperatures of 5-25°C (40-80°F). Protect from freezing.
<b>SHELF LIFE</b>	Best before 12 months from date of manufacture in unopened original packaging under recommended storage condition.
<b>CHEMICAL RESISTANCE</b>	Resistant to grease, water and regular household cleaners and detergents.
<b>APPLICATION TOOLS</b>	10 mm roller
<b>CLEAN UP</b>	Clean tools in water at once after application.
<b>CLEANING &amp; MAINTENANCE</b>	To keep the floor looking its best, clean and maintain floor using UVElite Cleaner and Refresher as per instructions. Do not clean the floor before it is cured.
<b>DISPOSAL</b>	Never pour surplus floor finish down the drains, allow it to dry and dispose of it in accordance with local regulations.



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# DIRECTIONS FOR USE

## PREPARATION

Ideally, before doing the job, obtain a sample with which to test adhesion and to determine the best coating prep and system to use for your application. Contact UVElite technical assistance for answers resilient floor restoration questions about sample testing, manufacturer-specific stripping procedures, preparation, coating or the curing process.

The temperature of the floor, the room and the finish should be between +15°C and +25°C (60°F to 80°F) and 55% relative humidity. Properly lighting your jobsite is highly recommended to ensure all areas of the floor receive sufficient protection.

### FOR NEW OR WAXED/POLISHED FLOORS

Strip the floor using the flooring manufacturer's recommended stripper and stripping procedure. Stripping the floor removes any wax, polish, glue, sacrificial wear layers, and potential contaminants introduced during the installation to ensure adhesion with our coating system. All contaminants should be removed and may require stripping more than once.

### FOR FLOORS PREVIOUSLY COATED WITH UVElite RES

If the floor you wish to coat with UVElite RES again has been maintained with wax or polish, strip the floor. If it has not, apply Clean 'n Coat following the instruction and procedure on the label.

## COATING LINOLEUM, LVT, VCT, RUBBER

Ensure that all wax, polish, dust, dirt, grease and other contamination has been removed from the floor. Measure and record the surface moisture level with a pinless moisture meter in several areas – these are the background moisture levels. Ensure that the depth setting of the scanner is set correctly so you do not incorrectly measure the moisture level of the concrete slab beneath the floor. Each coat **MUST** dry to within +1% of the background level before applying additional coats and before curing the finish.

**Note:** Floors installed over concrete slabs are prone to having some high and some low spots. Be aware that finish may accumulate in these low spots and extend the average dry time. Plan accordingly, by **1-** noting these low spots - they will become evident during the preparation process, **2-** coating these spots thinner, if necessary, **3-** and basing cure readiness on these spots.

**1. Apply 1 coat of Elevate RES\*** as per the label instructions and allow it to dry.

With coating on linoleum, if necessary, buff/screen surface using a 180 grit screen/pad and vacuum the floor well before applying the top coat.

**2. Shake the UVElite RES jug well** for 30-60 seconds and let it rest for 2-3 minutes, before applying.

**3. Apply a thin layer of UVElite RES** using a 10mm roller and allow it to dry for 1-3 hours.

Each UVElite RES jug should cover a single coat surface area of 60-80 m<sup>2</sup> (650-850 ft<sup>2</sup>).

**4. Apply an additional coat of UVElite RES** for high traffic floors in a crosswise fashion after your moisture levels have returned to within +1% of the originally recorded background moisture level. Dry time may differ depending on temperature, humidity and ventilation.

**5. Cure the floor** once your last layer of UVElite RES has dried sufficiently to within 1% of the initial measurement. See below for curing instructions.

For **linoleum floors** a low-VOC alternative, First Coat may be substituted for Elevate RES.

## COATING HOMOGENEOUS SHEET VINYL

For **homogeneous sheet vinyl**, follow steps 2-5 above for linoleum. Step 1 is not required when applying UVElite RES on homogeneous sheet vinyl/PVC.

For **concrete floors**, instructions and technical assistance for applying UVElite RES is available online or by calling +46 303 563 30 in Europe or +1 (877) 416-5972 in North America.

## CURING WITH UV

Ensure that the moisture level of the floor has returned to within +1% of background values before curing. Read all user manuals, safety instructions and training materials provided with the UV curing machines before curing. For UV curing machines with 1700W bulbs, cure speed is 6 m/min (20 ft/min). For machines with 3000W bulbs, the cure speed is 8 m/min (26 ft/min) for high-traffic 2 topcoat applications, and 10 m/min (33 ft/min) for single topcoat jobs. Ensure sufficient pass overlap and/or run the UV lamp crosswise in order to ensure the entire floor surface is cured. The floor can be used immediately after curing.

## CLEANING & MAINTENANCE

Dust-mop regularly with a microfiber mop to ensure maximum floor life. To keep your newly coated resilient floor looking its best, clean and maintain it using UVElite Cleaner and Refresher per instructions. Do not clean the floor before it is fully cured.

## HEALTH & ENVIRONMENT

Usual precautions for handling chemical products should be considered. Ensure adequate ventilation. Use protective goggles, apparel and gloves when curing finish. In case of skin contact, wash thoroughly with soap and water. For eyes, flush with plenty of water. Please read all information this technical data sheet, on the label and on the Material Safety Data Sheet. Never pour surplus floor finish down the drains, allow it to dry and dispose of it in accordance with local regulations.

**Chemical ingredients:** Water, polyurethane resin, photoinitiators.

Contact UVElite if you need technical assistance for coating and curing UVElite RES on other resilient surfaces.

## TECHNICAL ASSISTANCE

Contact your distributor or UVElite Technical Service

### Europe HQ

Olof Wijksväg 9,  
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### North America

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### FOR PROFESSIONAL USE!

**KEEP FROM FREEZING!**

**DO NOT TAKE INTERNALLY!**

**KEEP OUT OF REACH OF CHILDREN!**

Rev 07/2016. This technical data sheet replaces all previous versions.

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. UVElite can only guarantee the delivered product. If the user is in doubt we would recommend a preliminary onsite test. For professional use. Please ensure you have read and understood all information on this technical data sheet, the labels, and in the material safety data sheets before using this product.