

weberfloor Spectro UV 803 HT



weberfloor Spectro UV 803 Hammer Tone is a one-component, modified Spectro UV curable polymer with an aliphatic hybrid material topping. The curing process requires Spectro UV rays and is immediately ready to use after Spectro UV illumination. weberfloor Spectro UV 803 Hammer Tone has special characteristics like chemical resistance and excellent abrasion resistance that other polymers rarely have.

Technical Data Sheet

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TECHNICAL DATA

Color	Hammer tone - Clear; Semi - Gloss
Volume Solid	100 %
Consumption	Approx. 0.11 kg/m ² for 100 microns
SG-Mix	Approx. 1.11 gr/cm ³
Viscosity	38000-50000 cps
Drying time	Cures immediately upon exposure to Spectro UV rays
Adhesion Strength	1.63 N/mm ² (concrete failure) @7 Days 1.72 N/mm ² (concrete failure) @28 Days
Hardness	Shore D: 81 (7 days) (ASTM D 2240/ Shore D)
Tensile Strength	2000 psi (ASTM C - 307)
Abrasive Resistance	1000 g, 1000 cycles, 60 RPM Wear index : 12,2 mg (ASTM D-4060 CS-10 Wheel)
Mohs Scale	4 - 5
Chemical Resistance	<ul style="list-style-type: none">Gasoline, Petrol : ExcellentAlcohols, Ketones : ExcellentCaustic soda : ExcellentAmonia : ExcellentNitric Acid : ExcellentSulphuric acid : ExcellentAcetic acid : ExcellentOxidizing agents : ExcellentAmines : ExcellentPhosphoric Acid : ExcellentWater, Beer, Oil : Excellent

Packaging

4 Kgs

Shelf life

6 months when stored cool and dry

Substrate of Application

Finish coat for heavy duty flooring system in:

- Chemical
- Pharmaceutical
- Food and Beverages, or
- Other industries (PASS - FDA 21 CFR 175.300)

Product advantages

- Excellent industrial chemical resistance
- Excellent flexibility
- Easy to clean
- In second curing

APPLICATION METHOD

1. Substrate Preparation

- Unless specially water-reduced, concrete must be at least 28 days old, with a hygrometer reading not exceeding 80% RH and moisture content below 5%.
- The temperature of the substrate must be at least 3°C above the current dew point temperature.
- Dry removal of laitance by light grit-blasting is preferred. Where this is not feasible, acid etching followed by thorough rinsing and complete drying is acceptable.
- All dust and debris must be removed by vacuum cleaning.

2. Application Process

Primer Coat

- Apply weberprim Hybrid 911 MT (2K) Light Grey or another suitable weber epoxy primer using a low-speed electric stirrer.
- Stir Component A thoroughly before combining with Component B. Mix one full set of weberprim Hybrid 911 MT (2K) Light Grey for at least 3 minutes until fully homogeneous.
- Immediately pour the mixed material onto the substrate and spread using a squeegee and rol
- Allow to cure for at least 24 hours (overnight) before proceeding.

Body Coat

- Pre-stir the base component of weberfloor ASP 103 TC (2K) Color/ weberfloor ASP Hybrid 953 TC (2K) Color/weberfloor PU 653 TC (2K) Color, then mix both components for at least 3 minutes until fully homogeneous.
- Pour the material onto the floor and spread using a notched trowel or blade, followed by de-aeration with a spiked roller.
- Protect the applied surface from traffic, moisture, and rain for 6 to 12 hours before applying the topcoat.

Top Coat

- Apply weberfloor Spectro UV 803 Hammer Tone directly – no stirring or mixing required.
- Pour the material onto the surface and spread using a notched trowel or rubber squeegee, followed by back-rolling with a brush roller.
- After UV curing with Spectro, the floor is immediately ready for use.

Constraints / Pay attention

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in a cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined and enclosed space, such as tank interior and building.

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