

weberfloor EP 723 TC (2K) Color



weberfloor EP 723 TC (2K) Color is a two component solventless amine cured epoxy self smoothing floor topping which has good abrasion resistance, good adhesion to concrete and high resistance to a wide range of industrial chemicals.

Technical Data Sheet

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TECHNICAL DATA

Color	Available On Request, High Gloss
Volume Solid	Approx. 90% $\pm$ 2 % by weight
Dry Film Thickness	300 Microns - 1 mm
Consumption	Approx. 1.75 kg/m ² for 1 mm
Temperature resistance	93°C (dry)
Specific Gravity	$\pm$ 1.4 gr/cm ³
Flash point	Base : 25°C ; Hardener: 48°C
Compressive Strength	> 70 N / mm ² (28 days) 10.150 psi
Adhesion Strength	>1.5 N / mm ² (concrete failure) or 300 psi (ASTM D- 454i)
Abrasion Resistance	170 mg (ASTM D 4060-10, Taber Abraser)
Flexural Strength	>25 N / mm ² (28 days) or 3600 psi (ASTM C580)
Pot Life @32°C	45 Minutes
Tensile Strength	2000 psi (ASTM C - 307)
Thinner	Not required
Cleaner/Cleaning Solvent	weberfloor Thinner 007
Hardness	Shore D: 81 (7 days) (ASTM D 2240/ Shore D)
Mixing ratio of mul-ti-components products	Base : Hardener = 4 : 1 (by weight)
Overcoating Intervals	On temperature 25°C, Minimum 1 Days and Maximum 3 Months ; On temperature 32°C Minimum 1 Day
Drying time	Touch Dry : 25°C : 4 Hours 32°C : 2 Hours Through Dry : 25°C : 6 Hours 32°C : 5 Hours Final Cure : 25°C : 1 Days 32°C : 1 Days
Chemical Resistance	Gasoline, Petrol Excellent Alcohols, Ketones Excellent Caustic soda 30% Excellent Amonia Excellent Nitric Acid 10% Very Good Sulphuric Acid 10% Very Good
VOC Content	30 gr/l

Handling and Storage

The product must be stored in accordance with national regulation. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from the source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

Shelf life

12 months when stored cool and dry

Substrate of Application

This product is used as a finish coat in epoxy flooring system. It is suitable for heavy duty floor in:

- Food and beverage production area (PASS - FDA 21 CFR 17300)
- Hospital, pharmaceutical factory
- Pulp and paper industry
- Workshop
- Electronic engineering and packaging plant
- Processing plants etc.

Product advantages

- Easy to clean tough, smooth non porous surfaces
- Attractive floor and Hygienic
- Low maintenance cost

APPLICATION METHOD

1. Substrate Preparation

- Unless water-reduced, the concrete must be at least 28 days old, with a moisture content below 5% and a hygrometer reading not exceeding 80% RH.
- Substrate temperature must be at least 3°C above the current dew point.
- Remove laitance by light grit-blasting. If not feasible, apply acid etching followed by thorough rinsing and complete drying.
- Remove dust and debris using a vacuum with brush attachment.

2. Mixing and Blending Process

- Add the entire contents of the hardener tin to the base and mix thoroughly for 3 minutes until homogeneous, using a slow-speed drill fitted with a suitable mixing paddle.

3. Application

Primer Coat

- After mixing, apply the primer immediately in a thin, continuous film to a clean, prepared surface.
- Work the material into the surface using a notched or metal trowel, followed by a spiked roller to ensure even coverage and deaeration.
- Avoid puddling or excessive build-up. On porous substrates, weberfloor EP Hydro 5701 (2K) Light Grey/weberprim EP 701 (2K) Clear/weberprim Hybrid 911 MT (2K) Light Grey may absorb rapidly.

Top Coat

- After mixing, pour weberfloor EP 723 TC (2K) Color onto the primed surface and apply using a metal trowel or spreading blade.
- Deaerate the surface with a spiked roller.
- Protect the area from traffic, moisture, and other disturbances for at least 24 hours.

Tools

Trowel/Roller

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ISO 14001:2015 Certified



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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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