

weberfloor ASP 1103 Cold Storage TC (2K) Color



This is a two-component aliphatic polycarbamide coating designed for cold storage. Applicable at temperatures down to -30°C , it serves as a topcoat, body coat, or standalone layer. Cures to a smooth, glossy finish with excellent abrasion resistance.

Technical Data Sheet

Issued on : 2025 January 17

TECHNICAL DATA

Color	Color, Gloss	
Volume Solid	100%	
Dry Film Thickness	>300 microns	
Consumption	~4.5 Kg/m ² for 300 microns	
SG-Mix	Approx 1.5 gr/ml	
Mixing ratio of multi-components products	Base : Hardener = 3 : 1 (by weight)	
Drying time	Touch Dry	-20°C : 2 Hours
		-3°C : 1 Hours
	Through Dry	-20°C : 4-6 Hours
		-3°C : 4-6 Hours
	Full Cure	-20°C : 8 Hours
		-3°C : 4.5 Hours
Pot Life @32°C	15 Minutes	

Packaging

A:B = 15 Kgs: 5 Kgs

Handling and Storage

The product must be stored in accordance with national regulations. Storage conditions include keeping the containers in a dry, cool, well-ventilated space away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care and stir well before use.

Shelf life

12 months if its store in a dry, cool, and enclosed room.

Substrate of Application

weberfloor ASP 1103 TC (2K) Color is ideal for applications in cold storage areas, industrial warehouses, food processing facilities, special science laboratories, cleanrooms, and other locations mandated to operate in temperatures below what most consider to be comfortable 'room temperature'. PASS-FDA 21 CFR 175.300

Product advantages

- Solvent-Free
- Moisture Tolerant
- Low Viscosity
- Good Chemical Resistance
- Excellent Abrasion and Stain Resistance
- Low Odor
- Cures at Temperatures as Low as -30°C

APPLICATION METHOD

1. New Concrete Floor: Substrate Preparation

- Thorough surface preparation is vital. Concrete should be clean, dry, and free of all contaminants such as dirt, oil, grease, etc.
- Additionally, the concrete should be structurally sound with a minimum compressive strength of 30 N/mm² and a minimum pull-off strength of 1.5 N/mm².
- The concrete should be at least 14 days old before proceeding with the application of **weberfloor ASP 1103 TC (2K) Color**.
- Laitance and deposits on new concrete floors are best removed by light grit blasting or mechanical grinding.
- For best results, weber recommends mechanical preparation techniques, such as metal grinding or using diamond/resin pads.

2. Old Concrete Floor: Substrate Preparation

- Mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present.
- These may well have been absorbed several millimeters deep into the concrete.
- To ensure good adhesion, all contamination should be removed several millimeters deep into the concrete, and the surface thoroughly cleaned of all dust and loose debris.

3. New Concrete Floor: Application

Primer Coat

- Apply primer coat **weberfloor ASP 1103 TC (2K) Color**, using a low-speed electrical stirrer mixer.
- Firstly stir comp A+C quickly before mixing, mix one set for at least 2 minutes until the mix is homogeneous.
- Pour the material onto the substrate and spread the mixed material using a squeegee & spiked roller.
- Allow curing time of 6-8 hours (overnight) before continuing to the next step.

Top Coat

- Apply Top coat **weberfloor ASP 1103 TC (2K) Color**, using a low-speed electrical stirrer mixer.
- Firstly stir Base quickly before mixing, mix one set **weberfloor ASP 1103 TC (2K) Color**, for 1-2 minutes until the mix is homogeneous.
- Pour the material onto the substrate and spread the mixed material using a toothed trowel or spreading blade, then deaerate with a spiked roller.
- Follow the application of **weberfloor ASP 1103 TC (2K) Color**.

4. Old Concrete Floor: Application

Top Coat

- Apply Top coat **weberfloor ASP 1103 TC (2K) Color**, using a low-speed electrical stirrer mixer.
- Firstly stir Base quickly before mixing, mix one set **weberfloor ASP 1103 TC (2K) Color**, for 1-2 minutes until the mix is homogeneous.
- Pour the material onto the substrate and spread the mixed material using a toothed trowel or spreading blade or blushed trowel

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Constraints / Pay attention

Keep away from heat, sparks, and open flames. Avoid breathing vapors and skin or eye contact. Keep the container closed and store it in a cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application, and

drying to maintain vapor concentration within safe limits and protect against toxic hazards. Necessary safety equipment must be used, and ventilation requirements should be carefully observed, especially in confined and enclosed spaces such as tank interiors and buildings.

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