

# weberfloor EP Moisture Barrier 2701 (3K) Uncolor



weberfloor EP Moisture Barrier 2701 (3K) Uncolor is a three part, EP modified cementitious Hybrid, fine textured mortar for self smoothing floor screeds in thin layer 2 mm - 3 mm.

## Technical Data Sheet

Issued on : 2025 January 17

### TECHNICAL DATA

Color	Uncolor
Dry Film Thickness	2-3 mm
Consumption	0.2 kg/m <sup>2</sup> for 100 microns
SG-Mix	1.7 gr/ml
Mixing ratio of multi-components products	A:B:C = 1:4:20 (by weight)
Flexural Strength	11 - 13 MPa
Compressive Strength	55 -60 MPa
Application Time between Layers	On temperature 25°C, Minimum 24 Hours; On temperature 32°C, Minimum 24 Hours
Drying time	Touch Dry : 25°C : 3 Hours 32°C : 2 Hours Through Dry : 25°C : 4 Hours 32°C : 4 Hours Final Cure : 25°C : 1 Days
Pot Life	30 minutes @32°C
VOC Content	<10 gr/l
Application RH	30% to 80%

### Packaging

25 Kg/set  
Component A : 1 Kg  
Component B : 4 Kg  
Component C : 20 Kg

### 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

At least 6 months when stored cool and dry

### Substrate of Application

Weberfloor EP Moisture Barrier 2701 (3K) Uncolor is suitable for priming high moisture concrete surfaces  $\geq 6\%$  ro Prevents osmotic blistering (Assuming no water pressure from the ground & thickness of Moisture Barrier is  $\geq 2\text{mm}$ ) prior to the application of weberfloor products.

### Product advantages

- High Moisture tolerance  $\geq 6\%$
- Self Smoothing
- Concrete repair mortar
- Waterborne
- Good adhesion to green or hardened concrete whether damp or dry
- Can be overcoated with SyncoFloor based floor finisihes

- Fast and easy application

### APPLICATION METHOD

#### 1. Substrate Preparation

- Thorough surface preparation is vital.
- Concrete shall be clean, dry, and free of all contaminant such as dirt, oil grease, etc and concrete structurally sound and sufficient compressive strength min 25N/mm<sup>2</sup> with a min. pull off strength of 1.5 N/mm<sup>2</sup>.
- For best results Weber recommends mechanical preparation techniques (For example, metal grinding or using diamond/resin pad)

#### New Concrete

- Should be at least 28 days old before proceeding with weberfloor EP Moisture Barrier 2701 (3K) Uncolor application.
- Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical grinding.
- On smaller areas thorough etching may be considered. After etching the floor, it should be thoroughly washed with clean water and then let to dry.

#### Old Concrete

- 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 and the surface thoroughly cleaned of all dust and loose debris.

#### 2. Mixing and Blending

- Add the full contents of Component Hardener (Component B) into the base (Component A) and mix for 1-2 minutes. Then add Component C and continue mixing for 2 minutes until a homogeneous mixture is achieved. Use a high-speed drill (500-700 rpm) 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, to ensure even coverage.
- Avoid puddling or excessive build-up. On porous substrates, weber-prim EP Hydro 5701 (2K) Light Grey may absorb rapidly.

##### Body Coat

- Pour the mixture onto the treated surface and spread it with a notched trowel or pin rake to the required thickness, spike roll immediately to release the entrapped air from mixing.
- The application site must be well ventilated, otherwise it is advisable to use a portable exhaust fan.
- For weberfloor Top Coat or weberfloor Body Coat applications, leave the weberfloor EP Moisture Barrier 2701 (3K) Uncolor to dry overni

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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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