

weberfloor PU Hybrid Waterbased 2601 (3K)



weberfloor PU Hybrid Waterbased 2601 (3K) is a three part, PU cementitious Hybrid – waterbased, fine textured mortar for self smoothing floor screeds in thin layer 3 mm.

Technical Data Sheet

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TECHNICAL DATA

Color	White, Low Gloss (<15%)
Volume Solid	100 % by weight
Dry Film Thickness	3 mm
Consumption	Approx. 5.1 kg/m ² for 3 mm
SG-Mix	1.7 gr/ml
Mixing ratio of mul-ti-components products	A : B : C = 1 : 1 : 3.3 (by weight)
Compressive Strength	55 - 60 MPa (BS6319:Part 2)
Flexural Strength	11 - 13 MPa (ISO178)
Abrasive Resistance	1250 mg (Taber H22)
Adhesion Strength on Concrete	> concrete (concrete fails) (BS6319:Part2)
Relative Humidity	0 ml
Overcoating Intervals	On temperature 25°C, min. 12 Hours; On temperature 32°C Min. 12 Hours
Drying time	Touch Dry : 25°C : 2 Hours 32°C : 1 Hours Through Dry : 25°C : 4 Hours 32°C : 4 Hours Final Cure : 25°C : 1 Days
Pot Life @32°C	15 Minutes
Service Temperature	-10°C to 60°C : 3mm -20°C to 80°C : 6mm -30°C to 80°C : 9mm

Packaging

Packing Size: 16.6 Kg/Set
Component A = 3.3 Kg
Component B = 3.3 Kg
Component C = 10 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 PU Hybrid Waterbased 2601 (3K) is suitable for priming high moisture concrete surfaces $\geq 6\%$ (Assuming no water pressure from the ground & thickness of Moisture Barrier is ≥ 2 mm) prior to

the application of **weberfloor PU 653 TC** & **weberfloor Spectro UV 803 TC**. Specifically for use in cold rooms it is recommended to use a top coat **weberfloor ASP 1103 Cold Storage TC (2K)**.

Product advantages

- High Moisture tolerance $\geq 6\%$.
- Self smoothing.
- Suitable for temperatures of 0 to - 30 degree Celsius depend on application thickness.
- Improves the adhesion of Top Coat.
- Good chemical resistant.
- Excellent abrasion resistance

APPLICATION METHOD

1. Surface Preparation

- Thorough surface preparation is vital.
- Concrete shall be clean, dry, trowel, and free of all contaminant such as dirt, oil grease etc. and concrete structurally sound and sufficient compressive strength min. 30 N/mm² with a min. pull off strength of 2.5 N/mm².
- For best results Weber recommends mechanical preparation techniques. (For example, metal grinding or using diamond/resin pad).

New Concrete Floor

- Should be at least 14 days old before proceeding with **weberfloor PU Hybrid Waterbased 2601 (3K)** 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.
- For the new floor in the cold room, after grinding, directly apply the **weberfloor PU Hybrid Waterbased 2601 (3K)**

Old Concrete Floor

- 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.
- For the old floor use in the cold room, it is recommended to turn off the air cooler.
- Let the ice on the floor melt and then grinding and let drying before the **weberfloor PU Hybrid Waterbased 2601 (3K)** application

2. Mixing and Blending Process

- Add the full contents of 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.

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3. Application

- 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 PU 653 TC or Weberfloor ASP 1103 Cold Storage TC (2K)** applications, leave the **weberfloor PU Hybrid Waterbased 2601 (3K)** to dry min. 8 hours / overnight.
- On porous surfaces weberfloor PU Hybrid Waterbased 2601 (3K) will be absorbed very quickly.

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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