

weberfloor PU SL 2613 TC (3K)



weberfloor PU SL 2613 TC (3K) is a three part, PU cementitious Hybrid – waterbased, fine textured mortar for self smoothing floor screeds in thin layer 2 mm.

Technical Data Sheet

Issued on : 2025 January 17

TECHNICAL DATA

Color	Available on Request, Semi Gloss (<15%)	
Volume Solid	100 % by weight	
Dry Film Thickness	2 mm	
Consumption	Approx. 3.2 kg/m ² for 2 mm	
Pot Life	15 Minutes	
SG-Mix	~ 1.6 gr/ml	
Application RH	30% to 80%	
Mixing ratio of mul-ti-components products	Component 1 : 2 : 3 = 1 : 1 : 2 (by weight)	
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 32°C : 1 Days
Overcoating Intervals	On temperature 25°C, Min. 8 Hours and Max. 1 Months ; On temperature 32°C Min. 8 Hours	
Compressive Strength	55 - 60 MPa (BS6319:Part 2)	
Abrasive Resistance	1250 mg (Taber H22)	
Flexural Strength	11 - 13 MPa (ISO178)	

Packaging

Component 1 : 2 : 3 = 5 Kg : 5 Kg : 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 SL 2613 TC (3K) is suitable for system with high moisture concrete surfaces $\geq 6\%$ (Assuming no water pressure from the ground & thickness of Moisture Barrier is ≥ 2 mm). The special feature of the **weberfloor PU SL 2613 TC (3K)** it can be used as a Primer and a top coat (Single Coat/Monolithic System) and produces a smooth, abrasion-resistant, shiny and stain-resistant surface. Highly recommended for parking areas, warehouses, food factories and areas that have a lot of contact with water etc

Product advantages

- High Moisture tolerance.
- Self smoothing.
- Excellent abrasion resistance.
- Better stain resistance.

- Breathable - system.

APPLICATION METHOD

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. 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 28 days old before proceeding with **weberfloor PU SL 2613 TC (3K)** application.
- Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical grinding & cutting.

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.

2. Mixing and Blending

- Mixing of PU Cement is a very crucial part to get maximum results.
- Add the entire contents of Component A (Base) to the Component B (Hardener) and mix thoroughly for 10 sec then add Component C and mix for 2 minutes until homogeneous, using a high speed drill (500-700 rpm) fitted with a suitable mixing paddle.

3. Application

Primer Coat

- Apply primer coat **weberfloor EP Hydro 5701** or Scratch coat, use a low speed electrical stirrer mixer.
- Firstly stir comp A quickly before mixing, mix one set **weberfloor EP Hydro 5701** for at least 2 minutes until the mix homogeneous and poured the material onto the substrate and spread the mixed material using notch or metal trowel and follow by roller to achieve smooth finish and allow to curing time 24 hours (overnight) before continued next step.

Patching or Cracks Treatment

- Following application and setting of the primer coat, any cracks, concrete floor damage, fissures and other defects shall be treated with epoxy mortar repair **weberfloor EP Hydro 5701** use a spatula.

Top 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.

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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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