

Weberfloor PUC WG

(formerly Weberfloor PUR WG)

Heavy-duty polyurethane screed render

Weberfloor PUC WG is a heavy-duty, polyurethane, thixotropic, resin mortar with excellent chemicals and impact resistance, and can withstand up to 120°C for vertical wall and coving applications in wet and dry process environments.



PRODUCT BENEFITS



SOLVENT FREE



POLYURETHANE BASED



CHEMICAL RESISTANT

USES

Weberfloor PUC WG is for GMP, hygienic, HACCP industrial wall in the food industry, beverage, cold storage, kitchen, logistics, pharmaceutical, chemical industries and packaging plants.

ADVANTAGES

- High mechanical & impact resistance
- Excellent abrasion and chemical resistance
- Non-cytotoxic response after cure
- Resist fungi, mildew and bacteria growth

TECHNICAL DATA & PHYSICAL PROPERTIES

Pot Life	15°C	25°C	30°C	
	30 mins	24 mins	20 mins	
Recoating Time (28°C)	Within 14 - 18 hours			
Curing Time	15°C	25°C	32°C	
	Foot Traffic	36 hours	30 hours	24 hours
	Light Traffic	48 hours	36 hours	30 hours
	Full Chemical Cure	7 days	6 days	5 days
Density (28°C)	2.0 g/ml			
Tensile Strength	25 MPa			
Flexural Strength	21 MPa			
Compressive Strength	50 N/mm ² (28 days)			
Adhesive Strength	> 2.0 MPa (Concrete failure)			
Service Temperature (Liquid Spill - Age & Discharge)	up to 70°C (4mm), up to 80°C and lightly steam cleaned (6mm), up to 120°C and fully steam cleanable (9mm)			
Shore D Hardness	79-84			
Cytotoxicity	Below < 0.5			
Taber Abraser (ASTM D 4060-10)	38 mg			
Growth of Aquatic Microorganisms (BS 6920: Part 1: 2000 Clause 6)	2.39 or less			
Water Vapour Transmission (ASTM E96/E96M-10)	±1.23 g/hr.m ²			

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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PROCEDURE & APPLICATION



Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. The substrate should be dry and free from groundwater pressure and have a compressive strength of ≥ 25 MPa and bond strength of ≥ 1.5 MPa. Prepare the substrate by vacuum shot blasting, rough contaminations to remove by grinding. Properly remedy cracks and hollows. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways, and drains for anchoring purposes.



Mixing & Application

Apply Weberprim DP as a primer. For Weberfloor PUC WG, shake Part A well before mixing with Part B. Mix using an electrical stirrer at high speed (750-watt high power) for 5 seconds. Then, add Part C and mix for at least 5 seconds. Lastly, add Part D and mix for at least 30-40 seconds until a homogeneous consistency is achieved.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberfloor PUC WG. Regular cleaning using a single or double-headed rotary scrubber with alkaline detergent is recommended.

CONSUMPTION

Approx. 2kg/m² for 1 mm application.

PRECAUTION

Do not apply when the relative humidity exceeds 90% or when the surface temperature to be coated is $<5\%$ above the dew point. Do not apply when temperatures are $<5^{\circ}\text{C}$ and $>40^{\circ}\text{C}$.

STORAGE & PACKING

Weberfloor PUC WG is available in 15 kg sets. (Part A - 1 kg pail + Part B - 1 kg pail + Part C - 12.8 kg bag + Part D - 0.2 kg bag). Shelf life for Part A and B is 9 months, Part C is 18 months, Part D is 24 months, if unopened, and kept in dry and cool conditions.

COLOURS

- Standard - Grey, Light Grey, Cream, Buff, Red, Traffic Grey
 - Premium - Brilliant Blue, Orange Brown, Sky Blue, Green
- (Colour may change on exposure to UV.)

HEALTH & SAFETY

Good ventilation is required, if not, a portable exhaust fan shall be used. Wear protective clothing, gloves, and goggles during mixing and application process. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medical attention if irritation persists. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '26)



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