

# Weberfloor PUC TC

Self-smoothing polyurethane coating (0.2 – 1mm)

Weberfloor PUC TC is a self-smoothing, thermal shock-resistant polyurethane floor coating. It results in a matte, seamless, high chemical, mechanical, heat and slip resistant surface.



## PRODUCT BENEFITS



**SOLVENT FREE**



**POLYURETHANE BASED**



**CHEMICAL RESISTANT**

## USES

Weberfloor PUC TC is for GMP, hygienic, HACCP industrial floors in the food, beverage, cold storage facilities, warehouses, logistic centres, pharmaceutical, chemical and packaging plants.

## ADVANTAGES

- Solvent-free, odourless
- High mechanical and impact resistance
- Non-cytotoxic response after cure
- Excellent chemical and abrasion resistance
- Resist fungi, bacterial growth and mildew
- Hygienic hot water steaming clean

## TECHNICAL DATA & PHYSICAL PROPERTIES

### Pot Life

15°C	25°C	30°C
35 mins	30 mins	25 mins

### Recoating Time @ 28°C Curing Time

Within 12 – 18 hours

	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  
Tensile Strength  
Flexural Strength  
Compressive Strength @ 28 days  
Adhesive Strength  
Service Temperature  
Shore D Hardness  
Cytotoxicity (2.4 or less)  
Taber Abraser  
(ASTM D 4060-10)  
Growth of Aquatic Microorganisms  
(BS 6920: Part 1: 2000 Clause 6)  
Water Vapour Transmission  
(ASTM E96/E96M-10)

1.65 ± 0.05 g/ml  
25 MPa  
21 MPa  
45 N/mm<sup>2</sup>  
>1.5 MPa (Concrete failure)  
-5°C to 100°C  
75-82  
Below < 0.5  
38 mg  
<2.39  
±1.23 g/hr.m<sup>2</sup>

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.

### SAINT-GOBAIN (SINGAPORE) PTE LTD

2 Venture Drive, #13-18,  
Vision Exchange, Singapore 608526

(65) 63308288 (65) 63308289

eis.info@saint-gobain.com www.saint-gobain.sg

### SAINT-GOBAIN WEBER (M) SDN BHD

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Selangor D E, Malaysia

(603) 60389498/97/89 (603) 6038 9507

info.webermalaysia@saint-gobain.com www.saint-gobain.my

# Weberfloor PUC TC

Self-smoothing polyurethane coating (0.2 - 1mm)

## 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  $\geq 25$  MPa and bond strength of  $\geq 1.5$  MPa. Prepare the substrate by captive shot blasting or mechanical grinding. Repair damaged areas and patch up cracks and holes using a patching compound. Prepare grooves 3mm wide x 3mm deep around the perimeter of the floor and end points. The moisture content of the substrate must be  $<4\%$ . If the moisture content exceeds 7%, apply Weberfloor CEM MB as a moisture barrier and allow it to cure overnight.



### Mixing

Shake Part A well before pouring it into the pail. Pour Part A into a clean mixing pail, then add Part D (Weberfloor Colour Paste) and Part C (WG Filler). Mix for at least 2 minutes using a suitable electrical stirrer (with 750 watts). Lastly, add Part B and continue mixing for at least one minute until fully homogeneous.



### Application

Apply Weberfloor PUC TC using suitable tools such as a roller or trowel. Apply the first coat as a primer to seal the substrate's porosity. Allow the first coat to cure for 12-18 hours, then apply the second coat after the first layer is cured.



### Care & Maintenance

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

## CONSUMPTION

Approx. 1.3kg/m<sup>2</sup> 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 TC is available in 4 kg sets. (Part A - 1 kg pail + Part B - 1 kg pail + Part C - 1.8 kg bag + Part D - 0.2 kg bag).

Shelf life for Part A and B is 9 months, Part C is 12 months and Part D is 24 months, if unopened, and kept in dry and cool conditions.

## COLOURS

- Standard - Grey, Light Grey, Cream, Buff, Red, Green  
Colour may change on exposure to UV.

**SAINT-GOBAIN (SINGAPORE) PTE LTD**

2 Venture Drive, #13-18,  
Vision Exchange, Singapore 608526

(65) 63308288 (65) 63308289

eis.info@saint-gobain.com www.saint-gobain.sg

**SAINT-GOBAIN WEBER (M) SDN BHD**

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Selangor D E, Malaysia
















(603) 60389498/97/89 (603) 6038 9507

info.webermalaysia@saint-gobain.com www.saint-gobain.my

# Weberfloor PUC TC

Self-smoothing polyurethane coating

## CHEMICAL RESISTANCE

Chemical	Concentration	Temperature	Resistance
Acetic Acid	10 %	28 °C	 Excellent
Beer	-	28 °C	 Excellent
Blood	-	28 °C	 Excellent
Citric Acid	20 %	28 °C	 Excellent
Detergents - Acidic	All	28 °C	 Excellent
Detergents - Alkaline	All	28 °C	 Excellent
Fats-Animals and Vegetable	-	28 °C	 Excellent
Fish Oils	-	28 °C	 Excellent
Lactic Acid	5 %	28 °C	 Excellent
Oil - Diesel	-	28 °C	 Excellent
Oil - Fuel	-	28 °C	 Excellent
Oil - Mineral	-	28 °C	 Excellent
Sugar	100 %	28 °C	 Excellent
Sodium Hydroxide	50 %	28 °C	 Excellent
Sodium Sulphate	All	28 °C	 Excellent

## 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.

\*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)

*bizSAFE*<sub>3</sub>



### SAINT-GOBAIN (SINGAPORE) PTE LTD

2 Venture Drive, #13-18,  
Vision Exchange, Singapore 608526


 (65) 63308288  (65) 63308289

 [eis.info@saint-gobain.com](mailto:eis.info@saint-gobain.com)  [www.saint-gobain.sg](http://www.saint-gobain.sg)

### SAINT-GOBAIN WEBER (M) SDN BHD

No 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya,  
42300 Bandar Puncak Alam, Selangor D E, Malaysia

 (603) 60389498/97/89  (603) 6038 9507

 [info.webermalaysia@saint-gobain.com](mailto:info.webermalaysia@saint-gobain.com)  [www.saint-gobain.my](http://www.saint-gobain.my)