

Weberfloor PUD Topcoat

Two-component, water-based polyurethane coating



Weberfloor PUD Topcoat is a two-component, water-based polyurethane coating. It provides a durable finish for interior and exterior conditions, resistant to light chemicals, ultraviolet heat, and abrasion.

PRODUCT BENEFITS



**WATER BASED
POLYURETHANE**



**ABRASION
RESISTANT**



**UV
RESISTANT**

USES

Weberfloor PUD Topcoat is suitable for industrial and commercial floor and wall, car park decks, garages, warehouse, pedestrian areas, laboratories, clean room, pharmaceutical, refineries, printing pulp, mills, bridge-tunnel, roofing, and industrial plants sectors.

ADVANTAGES

- Hygienic, easy to clean
- Hard-wearing and durable
- Extreme ultraviolet and heat resistance
- Abrasion-resistant for light and medium traffic

TECHNICAL DATA & PHYSICAL PROPERTIES

Mixing (Pigmented)

	Part A	Part B
Gloss	4	1
Matt	4.5	1

Mixing (Clear)

	Part A	Part B
Gloss	3	1
Matt	4.5	1

Pot Life @ 30°C

1 hour

Recoating Time @ 30°C

12 hours min, 72 hours max

Curing Time

	20°C	25°C	32°C
Human Traffic	30 hours	24 hours	20 hours
Light Traffic	72 hours	60 hours	48 hours
Fully cured	10 days	7 days	7 days

Density @ 28°C

1.25±0.05 g/ml

Adhesion Strength

> 1.5 N/mm (Concrete failure)

Water Permeability

Nil-Karsten test (Impermeable)

Relative Humidity Content

< 88% RH

Taber Abraser

20 mg

(ASTM D 4060-10)

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 dry, clean, sound, and free from any laitance, oil, grease, and any contaminants. The substrate should be free from groundwater pressure with a compressive strength of ≥ 25 N/mm² and pull-off strength of ≥ 1.5 N/mm². If substrate moisture is $>4\%$, apply E.MIX EP 550 MS, or Weberfloor CEM MB as a moisture barrier. Prepare the substrate by vacuum shot blasting and remove rough contaminations by grinding. Remedy the cracks and hollows. If required, apply Weberprim EP 511 WB (Off White) @ approx. 0.25kg/m².



Mixing

Stir Part A well for 30 seconds by using an electrical stirrer (750-watt high power) and add Part B. Mix for 1 minute until a homogeneous mix is achieved. Slowly add 5% of water, if needed, while mixing. Mix for a further 1.5 minutes until homogenous.



Application

Apply with a roller, brush, or spray. For finishing, it is recommended to roll in one direction then backroll with a wide short felt roller.



Care & Maintenance

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

CONSUMPTION

Approx. 35 m² per application for 5 kg set. Recommended DFT thickness (2 coats): 120μ

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 $>40^{\circ}\text{C}$.

CLEANING & THINNING

All tools and equipment should be cleaned with water immediately after use. Thin up to 5% of clean water will help with better penetration and workability.

STORAGE & PACKING

Weberfloor PUD Topcoat is available in 4-5.5 kg sets. (Please refer to table for breakdown.) Shelf life of 12 months if unopened, and kept in dry and cool conditions.

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.

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CHEMICAL RESISTANCE

Chemical	Concentration	Temperature	Resistance
Acetic Acid	5 %	28 °C	 Excellent
Beer	-	28 °C	 Excellent
Blood	-	28 °C	 Excellent
Citric Acid	5 %	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	20 %	28 °C	 Excellent
Sodium Sulphate	20 %	28 °C	 Excellent

*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. (Jun '23)

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