

Weberfloor EP 520 SL

Self-smoothing epoxy floor system

Weberfloor EP 520 SL is a solvent-free, seamless, self-smoothing epoxy system (1-2mm). The cured floor forms a smooth, hygienic, hardwearing surface. It consists of three components: a base, hardener, and quartz fillers, creating a chemical-resistant floor.



PRODUCT BENEFITS



SOLVENT FREE



SELF SMOOTHING



SEAMLESS

USES

Weberfloor EP 520 SL is for dry process areas where the floor is subjected to trolley, pallet truck, and fork life traffic. Areas applied including clean rooms, production areas, laboratories, hospitals, food industries, industrial workshops, pharmaceuticals, museums, and art galleries.

ADVANTAGES

- Solvent-free system, low odour
- Easy to apply, clean and maintain
- Excellent chemical resistance
- Excellent abrasion resistance

TECHNICAL DATA & PHYSICAL PROPERTIES

Finishing
Pot Life
Curing Time

Gloss
30 mins

	15°C	25°C	32°C
Foot Traffic	24 hours	20 hours	18 hours
Light Traffic	36 hours	30 hours	24 hours
Full chemicals cure	10 days	7 days	7 days

Density @ 28°C
Adhesive Strength
Tensile Strength
Compressive Strength
Flexural Strength
Shore D Hardness
Temperature Resistance
Water Permeability
(Karsten Test)
Cytotoxicity
Taber Abraser
(ASTM D 4060-10)
Dissolved Oxygen Difference
(BS 6920: Part 1: 2000)

1.40 ± 0.05 g/ml
> 2.0 N/mm² (Concrete failure)
25 N/mm² (Concrete failure)
55 N/mm² (28 days)
35 N/mm² (Concrete failure)
75 ~ 82
up to 70 °C
Nil
< 0.5
37 mg
< 2.39 or less

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. Minimum compressive strength of 25MPa and bond strength of 1.5 MPa. If the moisture content of the substrate is >4%, apply an epoxy mortar of high compressive strength (>60MPa) at 4-5mm or Weberfloor CEM MB at 2-3mm as a moisture barrier. The surface must be vacuum shot-blast or mechanical grind. Cracks and hollows must be properly remedied. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purposes.



Application

Prime the surface using Weberprim EP 500 PR. Mix the Part A and Part B using a slow speed drill mixer (~600 rpm), then the colour pot (if provided) until the colour is uniform then followed by the filler. Mix until there are no lumps. Weberfloor EP 520 SL is applied using a notched or flat trowel to a thickness of 1-2 mm. It must be spiked rolled immediately to release the air/bubble. Allow to cure for 7 days.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberfloor EP 520 SL. Regular cleaning using a single or double-headed rotary scrubber with alkaline detergent is recommended.

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°C and >40°C.

CONSUMPTION

Approx. 1.4 kg/m² 1 mm thick application.

CLEANING

Clean the tools and equipment immediately after use with thinner. Hardened material can be removed mechanically.

STORAGE & PACKING

Weberfloor EP 520 SL is available in	Part A	Part B	Part C	KG/Set
SG - 3 components	9.65 kg	3.45 kg	11.9 kg	25 kg
MY - 2 components	18 kg	3 kg		21 kg

Shelf life of 12 months if unopened, kept in dry conditions and at temperatures of 10°C to 30°C.

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 reserves the rights to amend the contents of the data sheet at its sole discretion. (Oct'25)



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