

# Weberfloor EP 520 SL

Self-smoothing epoxy floor system

**Weberfloor EP 520 SL** is a solvent-free, seamless, self-smoothing epoxy system. It is three components consisting of a base, hardener, and quartz fillers. The cured floor forms a very smooth, hygiene, hardwearing, and chemical resistant floor.



## PRODUCT BENEFITS



## USES

Weberfloor EP 520 SL is specially formulated for clean rooms, production areas, laboratories, hospitals, food industries, industrial workshops, pharmaceuticals, museums, and art galleries.

## ADVANTAGES

- Solvent-free system
- Durable
- Easy to apply, clean and maintain
- Excellent chemical resistance
- Reduce formation of bacterial growth
- Less accumulation of dirt

## TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Pot Life @ 25°C</b>	Approx. 40 mins
<b>Initial Cure</b>	Approx. 6 hours
<b>Light Traffic</b>	Approx. 24 hours
<b>Full Cure</b>	7 Days
<b>Shore D</b>	> 70
<b>Compressive Strength</b>	60 N/mm <sup>2</sup> (at 7 days)
<b>Flexural Strength</b>	30 N/mm <sup>2</sup> (at 7 days)
<b>Bond Strength</b>	> 1.5 N/mm <sup>2</sup> (at 7 days)

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.

## PROCEDURE & APPLICATION

### Surface Preparation



The substrate must be dry and clean, free from grease, mould, oil, rust, rusty metal, wood peels, paints, plastics, loose particles, contamination, and any traces of foreign materials by using industrial detergent followed by scrubbing. The concrete surface must be shot-blast, scarifying, or grit blast followed by vacuum cleaning. Repair any irregularities, blowholes, cracks, etc. using solvent-free epoxy repair products. The pre-treated surface must have a bond strength of at least 1.5 N/mm<sup>2</sup> and compressive strength of 30 N/mm<sup>2</sup>. The moisture content shall not be higher than 6%, and the temperature of the substrate must be at least 5°C above the dew point temperature before the application of Weberfloor EP 520 SL.



### Application

Prime the surface using Weberprim EP 500 PR and a second coat of scratch coat. Mix the resin and hardener using a slow speed drill mixer of about 600 rpm, then the colour pot (if provided separately) until the colour is uniform then followed by the filler. Mix until there are no lumps. Do not mix more than required. Weberfloor EP 520 SL is applied using a notched or flat trowel to a typical thickness of 2 mm. After Weberfloor EP 520 SL is applied and levelled, it must be spiked rolled and allow curing to develop the performance at 7 days.

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## PRECAUTION

In a huge project, co-ordinate the supply to ensure the same production batch is used to reduce the colour variation from the batch process.

## CONSUMPTION

Approx. 7 – 7.5 m<sup>2</sup> per coat application for 21 kg set at 1 mm/thick depending on the level of concrete surface.

## CLEANING

Clean immediately after use with thinner. Hardened material can be removed mechanically.

## STORAGE & PACKING

Weberfloor EP 520 SL is available in 21 kg sets (Part A – 6.8 kg pail + Part B – 2.4 kg pail + Part C – 11.8 kg pail).

Shelf life of 12 months if the product is unopened, original containers, under dry and cool condition, temperature between 5°C-30°C.

## HEALTH & SAFETY

Wear protective clothing, gloves, and goggles during mixing and application process as Weberfloor EP 520 SL contains certain chemicals that can cause skin irritation. The epoxy base is considered an irritant, and the hardener is corrosive. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medication attention if irritation persists.

\*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. (Feb '22)

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