

Weberfloor EP 536 NV

Two-components, high chemicals, novolac epoxy coating

Weberfloor EP 536 NV is a high-performance, two-component, high chemicals, solvent-free, coloured novolac epoxy coating. Industrial floors using Weberfloor EP 536 NV are dust-free, jointless, and with glossy finishing. It is available in a wide range of attractive colours.



PRODUCT BENEFITS



USES

Weberfloor EP 536 NV is for light-duty industrial where the floor is subjected to pallet trucks, trolley, and forklift traffic. It is used for car park decks, laboratories, electronic and clean rooms, automotive assembly, aircraft hangars, garages, pharmaceutical, printing pulp paper, mills, refineries, and other industrial plants sectors.

ADVANTAGES

- Seamless, monolithic application
- Solvent-free, low odour
- Hygienic, easy to clean
- Excellent chemical resistance
- Excellent abrasion resistance
- Hard wearing floor finish

TECHNICAL DATA & PHYSICAL PROPERTIES

Pot Life @ 28°C
Curing Time

30 min

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

Density @ 28°C

1.40 ± 0.05 g/ml

Adhesive Strength

> 2.0 N/mm² (Concrete failure)

Tensile Strength

25 N/mm²

Compressive Strength @ 28 days

55 N/mm²

Flexural Strength

35 N/mm²

Shore D Hardness

75 – 82

Temperature Resistance

up to 70 °C

Water Permeability

Nil (impermeable)

(Karsten Test)

Abrasion Resistance – Taber Abraser
(ASTM D 4060 – 10)

37 mg

Dissolved Oxygen Difference
(BS 6920: Part 1: 2000)

< 2.39 mg/L

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.

CONSUMPTION

Approx. 25 m² @140 µ application for 5 kg set. Approx. 50 m² @140 µ application for 10 kg set.

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PROCEDURE & APPLICATION



Surface Preparation

The substrate should have a minimum compressive strength of 25 N/mm² and minimum adhesive pull-off strength of 1.5 N/mm². The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae, and other contamination should be removed. The substrate should be dry and free from groundwater pressure. If substrate moisture > 4%, apply E.MIX EP 550 MS (epoxy mortar), or apply 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. Prepare grooves 3 mm wide x 3 mm deep at all edges, bay joints columns, doorways, and drains for anchoring purposes.



Mixing

Stir Part A for 30 seconds by using a suitable electrical stirrer (with a 750-watt power mixer), then add Part B and mix thoroughly for 2 minutes until it achieves a homogeneous mixture.



Application

Apply Weberfloor EP 500 PR as a primer to seal the substrate's porosity. Allow Weberfloor EP 500 PR to cure approx. 8 - 14 hours. Then apply Weberfloor EP 536 NV with a brush or roller.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberfloor EP 536 NV. 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 lower than the dew point. Do not apply when temperatures are below 5°C and temperatures > 40°C.

CLEANING

Clean the tools & equipment with water before the resin hardens.

STORAGE & PACKING

Weberfloor EP 536 NV is available in 5 kg sets (Part A – 4 kg pail + Part B – 1 kg pail) & 10 kg sets (Part A – 8 kg pail + Part B – 2 kg pail).

Shelf life of 12 months if the product is unopened, original containers, under dry and cool condition 10 – 30 °C.

HEALTH & SAFETY

Wear protective clothing, gloves and goggles. 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. (Apr '22)

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