

Weberfloor EP 530 HB AS

Two component, solvent-free, ESD epoxy coating



Weberfloor EP 530 HB AS is a high-performance, solvent-free ESD (anti-static) epoxy coating for areas with light or high traffic. It is dust-free, jointless, has a glossy finish, and is available in a wide range of attractive colours.

PRODUCT BENEFITS



SOLVENT FREE



CHEMICAL RESISTANT



CONDUCTIVE

USES

Weberfloor EP 530 HB AS is a high-tech flooring solution designed for manufacturing environments requiring conductive properties and meeting GMP standards. Resilient against medium traffic, impacts, and static buildup, it's ideal for military arsenals, electronics facilities, high-power stations, warehouses, automotive plants, and labs in research and development.

ADVANTAGES

- Solvent-free, low odour, low VOC
- Hygienic, easy to clean
- Hard wearing floors finish
- Excellent chemical resistance
- Excellent abrasion resistance
- Eliminate electrostatic discharge (BS 2050)

TECHNICAL DATA & PHYSICAL PROPERTIES

Pot Life
Finishing
Curing Time

30 minutes
Gloss

	15°C	25°C	32°C
Foot Traffic	30 hours	28 hours	24 hours
Light Traffic	48 hours	36 hours	30 hours
Full chemicals cure	10 days	7 days	7 days

Density @ 28°C
Tensile Strength
Adhesive Strength
Compressive Strength
Flexural Strength
Shore D Hardness
Temperature Resistance
Water Permeability
(Karsten Test)
Cytotoxicity
Abrasion Resistance
Decay Time
Human Body Voltage
System Resistance

1.40 ± 0.05 g/ml
25 N/mm²
> 2.0 N/mm² (Concrete failure)
55 N/mm² (28 days)
35 N/mm²
75 – 82
Up to 70°C
Nil (Impermeable)
< 0.5
5 mg (1000 cycles weight loss)
<20 secs (Human body)
<100 volts
< 3.5E + 7ohm (Ω)

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TECHNICAL DATA & PHYSICAL PROPERTIES

ESD Floor Main Checking Criteria & Specification:

CONDUCTIVE (with Weberprim WBAS) - BS 2050

Surface to Ground & Surface (Earth) Rg Spec $1E+4 \Omega \sim 9E+6 \Omega$ (1×10^4 ohm to 9×10^6 ohm)

DISSIPATIVE (without Weberprim WBAS) - BS 2050

Surface to Ground & Surface (Earth) Rg Spec $1E+6 \Omega \sim 9E+9 \Omega$ (1×10^6 ohm to 9×10^9 ohm)

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

All surfaces must be dry, clean, sound, and free from any laitance, oil, grease, and any contaminants. Substrate must have a minimum compressive strength of 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm² (concrete failure). The substrate should be free from ground water pressure. If substrate moisture >4%, apply 4-5mm thick of Weberfloor EP 550 MS (>60MPa) or Weberfloor CEM MB at 2-3mm as a moisture barrier. The concrete surface must be shot-blast, scarifying, or grit blasting followed by vacuum cleaning. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.



Mixing

Stir Part A and mix for 30 seconds by using a suitable electrical stirrer (~750 watt rpm). Then, add all Part B to Part A and mix thoroughly for 2 minutes until fully homogenous.



Application

Apply Weberprim WBAS @ 0.12kg/m² as a primer for seal the substrate's porosity and cure for 8 to 14 hours before layering. After curing, apply Weberfloor EP 530 HB AS within 30 minutes using a brush or a roller onto Weberprim WBAS.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberfloor EP 530 HB AS. 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. 0.2kg/m² @140 micron per coat. Recommended application is 2 coats.

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STORAGE & PACKING

Weberfloor EP 530 HB AS is available in 7 kg sets (Part A - 6 kg pail + Part B - 1 kg pail) & 21 kg sets (Part A - 18 kg pail + Part B - 3 kg pail).
Shelf life of 12 months if unopened, kept in dry conditions and at temperatures of 10°C to 30°C.

HEALTH AND 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. (May'24)

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