

Epoxy floor resurfacing compound

PRODUCT

weberep epo 420 SC is a three-component system based on epoxy resins and selected fillers.

It provides a resilient system for floor repairs and resurfacing, non absorbent and dust free.

The selected fillers enable the system to hold thickness and give **weberep epo 420 SC** a high resistance to abrasion, as well as a high tensile and compressive strength.

SCOPE OF USE

weberep epo 420 SC can be applied to adjust irregularities from 5 mm to 50 mm thickness and it is used for flooring resurfacing in industrial and commercial plants:

- Warehouses
- Service stations
- Dairies plants
- Food processing and rendering plants
- Chemical plants
- Metal treating plants
- Machinery service areas
- Manhole benching
- It is recommended for any surface subjected to chemical attack and/or wherever superior corrosion resistance and wearing quality is required.

CHARACTERISTICS

Description	3-components epoxy mortar
Composition	Resin, Hardener, selected fillers
Density	2.1 ± 0.05 kg/l
Setting time	5 hrs at 25°C
Bond Strength on concrete (BS 1881 Part 207) @ 14 days	>2.8 MPa
Pot life	1 hr. @ 25°C

*COMPRESSIVE STRENGTH (N/mm²) – ASTM C 579

Age	Result at 25°C	Result at 35°C
1 day	70	80
3 days	80	85
7 days	90	95

*Values subject to a variation of ± 10%



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
278 Kg	278 Kg	278 Kg	278 Kg	278 Kg	278 Kg	278 Kg	278 Kg

*FLEXURAL STRENGTH (N/mm²) – ASTM C 580

Age	Result at 25°C	Result at 35°C
7 days	28	31

*Values subject to a variation of ± 10%

CHEMICAL RESISTANCE

To caustic soda 10%: excellent
To muriatic acid 10%: excellent
To sulfuric acid 10%: excellent
To xylene: some surface softening

APPLICABLE STANDARDS

BS 1881 Part 107& 207, ASTM C413, ASTM C 579, ASTM C 307, ASTM C 642-97 and BS 4551, ASTM C 642-97

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The substrate must be structurally sound, clean, dry. Mechanical scarifying or blasting with light sand shall be performed in order to cause 1/16" (1.6 mm) deep irregularities on the substrate.

Make sure that the surface is free from laitance, dirt and loose concrete remains, by floor scabbing or vacuuming. All transitions between two different floor finishes or at floor drains shall be saw-cut in a 1/2" (13 mm) wide by 1/2" (13 mm) deep slot.

All cracks over 1/16" (1.6 mm) wide should be widened to the dimensions of 1/4" (6.3 mm) wide and 1/4" (6.3 mm) deep prior to the application of **weberep epo 420 SC**.

PRODUCT PREPARATION

All material should be within the proper temperature range of (10 °C) to (40 °C) for at least 24 hours prior to mixing. Part B, the hardener is added to Part A, the base.

Mix with a special slotted paddle by using a low speed drill. The paddle should touch the inside surface of the can, bottom and sides, to insure complete mixing of the liquids. Mixing time should be 1 to 2 minutes with the proper tools. Then add gradually the fillers to the mixture and mix thoroughly until all the aggregate is mixed and a uniform epoxy mortar is obtained.

PRIMING

After the surface has been prepared, prime any smooth areas with **weber floor eposil plus** (Primer and sealer). Mix thoroughly and apply in a thin, even coat with squeegee, roller or brush. Make sure the primer thoroughly wets the surface, but do not allow it to puddle. Allow to cure for a maximum 24 hours before applying the mortar. All areas must be covered and the epoxy Mortar must be laid over tacky primer before it cures.

PRODUCT APPLICATION

Apply **weberep epo 420 SC** with a steel trowel and then either finish by hand or finish with a spiked roll.

CONSUMPTION

App. 2 kg / m² for 1mm

YIELD

Approx. 14 lit. / kit

STORAGE

weberep epo 420 SC can be stored 12 months after manufacturing date in its original packaging, in a dry location, away from extreme temperatures.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into

contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

The information included on this Technical Data Sheet is the sole property of SODAMCO Holding. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.