



weberep epo 420 SC

Epoxy floor resurfacing compound

Technical and repair mortars

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
27.8kg	27.8kg	27.8kg	27.8kg	27.8kg	27.8kg	27.8kg	27.8kg

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 5mm to 50mm 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/lt
Setting time	5 hrs at 25°C
Bond strength on concrete (BS 1881 Part 207) @ 14 days	> 2.8 MPa
Pot life	50 mins ± 10

*Compressive strength - ASTM C 579

Age	Result at 25°C	Result at 35°C
1 day	70N/mm ²	80N/mm ²
3 days	80N/mm ²	85N/mm ²
7 days	90N/mm ²	95N/mm ²

**Values subject to a variation of ± 10%*

*Flexural strength - ASTM C 580

Age	Result at 25°C	Result at 35°C
7 days	28N/mm ²	31N/mm ²

**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 C 413, ASTM C 579, ASTM C 307, ASTM C 642-97 and BS 4551, ASTM C 642-97

INSTRUCTIONS FOR USE

SUBSTRATE 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" (1.6mm) 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" (13mm) wide by 1/2" (13mm) deep slot.

All cracks over 1/16" (1.6mm) wide should be widened to the dimensions of 1/4" (6.3mm) wide and 1/4" (6.3mm) 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 **weberfloor 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. 2kg/m² for 1mm

YIELD

App. 14lit/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

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

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.

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