

Epoxy resurfacing and lining mortar

PRODUCT

weberep epo 400 RS is a solvent-free two-component based on epoxy resins and selected fillers. It is used for horizontal and vertical resurfacing and lining over large areas, up to 1 mm thickness, and for local blow hole filling and pore sealing, up to 3 mm thickness, prior to over coating.

SCOPE OF USE

- General reprofiling and lining over large areas
- Rehabilitation of manholes
- Sewage works
- Water tanks
- Floor substrate preparation
- Primer for epoxy based coatings
- Eliminate irregularities before over coating

ADVANTAGES

- Easily applicable on large areas
- No primer needed before application
- Solvent free
- Performs as a primer for subsequent coats
- Abrasion resistance
- Chemical resistance

ALLOWED SUBSTRATES

- Concrete
- Plaster
- Metal
- Wood
- Epoxy

CHARACTERISTICS

Compressive Strength @ 1d	55 MPa
Compressive Strength @	> 70 MPa
10d Flexural Strength @ 1d	30 MPa
Flexural Strength @ 10 d	> 35 MPa
Pot life @ 25°C	2 hours
Initial setting time @ 25°C	8 hours

APPLICABLE STANDARDS

BS 6319 Part 2
BS 6319 Part 3
ASTM D-412
ASTM D-2240

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Clean surface to be dry, free from laitance, dust, oil, grease, loose material and standing water. Oil and grease should be



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	4.5 kg	4.5 kg	4.5 kg	4.5 kg	4.5 kg	4.5 kg	4.5 kg

removed by sand or water blasting, grinding or wire brushing. Concrete should be hardened (at least 3-weeks old).

PRODUCT PREPARATION

The product is already delivered in the recommended mixing proportions. Mix the resin (Part A) and the hardener (Part B) manually or with a mechanical low-speed mixer (speed < 300 rpm) in a suitable container until a homogeneous mix is obtained. The mixing should continue after all the components have been added for approx. 3 minutes to ensure that the product is fully blended and a homogenous mortar is obtained.

PRODUCT APPLICATION

Apply **weberep epo 400 RS** with trowel or spatula to the surfaces. Tight trowelling onto the substrate is recommended to ensure positive adhesion and that all blow-holes and defects are completely filled to produce a smooth even finish. The maximum layer thickness is 3 mm. Prior to curing, **weberep epo 400 RS** may be removed from tools and equipment using solvents.

COVERAGE

1.1 m / kg with thickness 0.5 mm on sound concrete surface.

STORAGE

12 months after manufacturing date in original and non-open

packaging , under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

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.

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