

Epoxy repair mortar

PRODUCT

weberep epo 410 is a three components fast-setting, shrinkage-free epoxy mortar. It is mainly used for its high bonding power and mechanical strength.

weberep epo 410 adheres to all building materials:

iron, concrete, bricks,...

It has a high chemical resistance to: Petroleum, oil, grease, acids, alkalis, solvents and salty water.

SCOPE OF USE

weberep epo 410 is used up to a thickness of 50mm in the following fields:

- Patching and repair: concrete surface patching for walls and floors, pile cap repairing.
- Chemical proof and anti-acid treatment: floor screed.

CHARACTERISTICS

Composition	3 components Resin, Hardener, Siliceous fillers
Specific gravity BS 6319 Part 2	2
Pot life	2 hrs. at 20°C 1 hr. at 30°C
Compressive strength at 7 days and 30°C	110 MPa
Flexural strength at 7 days and 30°C	30 MPa
Water absorption ASTM C 642-97	0.04%

APPLICABLE STANDARDS

BS 6319 Part 2

ASTM C-642-97

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The substrate should be dry, free from dust, greasy matters or paint.

If necessary, brush, grind or sandblast the substrate.

PRODUCT PREPARATION

The product is already delivered in the recommended mixing proportions.

Mix the resin and the hardener manually or with a mechanical low-speed mixer (speed < 300 rpm) until a homogeneous mix is obtained.

To obtain the epoxy mortar, add the filler (3rd component) to the mixture while mixing thoroughly until a homogeneous paste is obtained.



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

2.8 kg epoxy + 25 kg fillers

PRODUCT APPLICATION

Patching mortar: Apply the mortar on the surface with a spatula or a trowel.

Smoothen the surface.

The setting will occur within 5 hours depending on the temperature.

Repair: Apply the mortar with a trowel or by other means on the wall or on the floor.

Level it and smoothen it with a trowel or a float. The setting will occur within few hours and its chemical resistance will be fully obtained within 7 to 14 days.

For a thick floor screed, coarse sand should be used as filler. Avoid using calcareous aggregates which would not be acid-resistant.

After usage, clean tools with **weberep epo 410** thinner. Ideal application temperature is between + 5°C and + 35°C.

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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