weberep epo 660 i Formerly "Conrep.i 660"

TECHNICAL AND REPAIR MORTARS

Standard epoxy injection resin

PRODUCT

weberep epo 660 i is a 2-component solvent-free epoxy injection resin with low viscosity for injection into cracked concrete.

PROPERTIES

- Low viscosity
- Good penetration, even in hairline cracks
- Very good adhesion to concrete, wood, metal... also in unfavourable conditions such as the combination of low temperatures and frost.
- High mechanical characteristics
- Fast-hardening

SCOPE OF USE

weberep epo 660 i is the standard injection resin and is used for structural repair of cracks in concrete pillars, beams, wooden spans, anchoring threaded rods in concrete, cracks in masonry ...

CHARACTERISTICS

Component A	
Appearance	yellow transparent liquid
Viscosity (20 °C)	600 mPas
Density	1.156 g/ml
Component B	
Appearance	Red liquid
Viscosity (20 °C)	660 mPas
Density	1.058 g/ml
Mixture	
Appearance	Red liquid
Initial viscosity (20 °C)	620 mPas
Density	1.121 g/ml
Density of the cured material	1.135 g/cm³
Evaluation of the reactivity at 20 °C	Time needed for a mixture of 600 g webeRep epo 660 i A & 300 g weber.rep epo 660 i B to rise from 20 °C to 40 °C: 25 minutes
Mixing ratio	2 kg A / 1 kg B
Compression strength (EN 12190, after 7d at 20 °C)	97 N/mm²
Modulus of elasticity (DIN 53452, after 7d at 20 °C)	2596 MPa
Flexural strength (DIN 53452 , after 7d at 20 °C)	82.3 N/mm²
Tensile strength (EN ISO 527, after 7d at 20 °C)	59.1 N/mm²

PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
3 Kg	3 Kg	3. Kg	3 Kg	3 Kg	3 Kg	3 Kg	3 Kg
30 kg	30 kg	30 kg	30 kg	30 kg	30 kg	30 kg	30 kg

Component A: 2 x 10 kg
Component B: 10 kg

Component A: 2 kg
Component B: 1 kg

Shrinkage in volume (EN 12617-2)	2.61%
Injectability into a dry sand column (EN 1771, 0.1 mm - 0.3 mm)	Easy to inject
Adhesion of the injected product with and without temperature transformation: tensile strength of the adhesion (EN 12618-2)	Cohesive break in concrete
Adhesion of the injected product with and without temperature transformation: methode of the slant shear strength (EN 12618-3)	Monolithic failure in the substrate
Adhesion to concrete (EN 1542)	> 3.0 N/mm² (rupture in concrete)
Glass transition temperature (EN 12614)	64.2 °C
Consumption	depending on the substrate to be injected
Ideal application temperature	min. 5 °C, max. 30 °C (both ambient as substrate)

INSTRUCTIONS FOR USE

An injection device that respects the mixing ratio of the components A/B = 2/1 should be used. The crack should be sealed with quick-fixing mortar and equipped with injection tubes. When the quick-fixing mortar has hardened sufficiently the injection under pressure **weberep epo 660 i**.can start. The injection is done with a 2-component pump with a mixing ratio of 2/1.
Inject up to pressures of ± 8-10 bars.

CLEANING

Unhardened product can be removed with a cleaner.

STORAGE

24 months after production date in the original, unopened and undamaged packaging. **weberep epo 660 i** has to be stored in a dry place between 10 °C and 30 °C.

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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