webertec epo 430 GRT Plus

TECHNICAL AND
REPAIR MORTARS

Free flowing high strength epoxy grout

PRODUCT

webertec epo 430 GRT Plus is a three-component high flow epoxy grout: resin, hardener and specific fillers. The mix of these components gives a very resistant, waterproof and non-shrink resin grout.
webertec epo 430 GRT Plus is particularly recommended for grouting and bedding applications where it is used for its fluid consistency.
webertec epo 430 GRT Plus has excellent shock and vibration resistance to withstand dynamic load.

SCOPE OF USE

- Concrete repair
- Vertical anchoring of metal elements
- Bedding of machine bases or bridge bearing plates
- Protection of concrete floors where heavy mechanical and chemical duty is observed

CHARACTERISTICS	
Epoxy / fillers ratio	1 / 5.5 in weight
Standard color (mixture)	Grey
Dry extract	100%
Pot life	3 hours @ 25°C
Fresh Density	approx 2 g/cm3

PERFORMANCES

Resistance to foot traffic after 24 hours.
Full mechanical and chemical resistance after 7 days.
Anti-skid property.
Adherence is superior to concrete internal cohesion.

Impact strength : no sign of cracks, loss of adhesion or any other type of failure observed for 1 kg falling from 1.5 m high.

(test done in accordance with ISO 6272: 1973)

Abrasion resistance: 99.2
(Taber Wear index as per ASTM D4060:95).

Compressive strength at 35°C (as per ASTM C 579:2001):
>85 MPa at 1 day
>100 MPa at 7days

Tensile strength 35°C (ASTM C307):
>14 MPa at 7 day

Flexural strength 35°C (ASTM C 580:93):
>30 MPa at 7 day

**Properties listed above are only based on controlled laboratory samples and tests: Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.*



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
17.8 Kg	17.8 Kg	17.8 Kg	17.8 Kg	17.8 Kg	17.8 Kg	17.8 Kg	17.8 Kg
			59.286 Kg		59.286 Kg		59.286 Kg

- 2.8 kg epoxy (Part A + Part B)
- 15 kg specific fillers (Part C)
- 9.286 Kg epoxy (Part A + Part B)
- 50 kg specific fillers (Part C)

High chemical resistance to:
- Common diluted acids & alkalis
- Distilled water
- Oil, kerosene
- Sea water

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The concrete should have at least 28 days setting.
The substrate must be clean and free from all loose particles, dust, cement laitance, rust, oil and other contaminants. The minimum concrete compressive strength necessary should be 25 MPa.
The substrate must not contain more than 6% moisture.

PRODUCT PREPARATION

Before application, the resin and the hardener components are carefully mixed with a slowly rotating electric drill with paddle. To complete mixing, the resin is poured progressively from one can to another and mixed again. Then the mineral charge is mixed with the binding resin by means of a forced action mixer. Add the mineral charge progressively while

mixing until a homogeneous consistency is obtained.
Add all the quantity of the filler to the epoxy.
For mixing the 59.286 Kg kit , follow below instructions :
Part B should add to part A, then mixing for two minutes by drill under low speed. Pour the mix of part A + part B in the revolving mixer, then add part C gradually. Mix for 3 minutes until obtained a homogeneous without any lumps mix.

PRODUCT APPLICATION

The grout is leveled with a trowel wetted with solvent. The application admissible thickness is 3 mm up to 450 mm making sure that no bleeding will appear due to site condition, temperature or bad mixing.
Do not add water or solvent to the mix.
Applicable in an ambient temperature from 8 °C to 45 °C, (note: as any epoxy product; Consistency, Pot life and Setting time will vary with temperature). Relative ambient humidity ≤ 85%

CONSUMPTION

2 Kg/m²/mm

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.

NOTE

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