

## 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

Standard color (mixture)	Grey
Solid content	100%
Pot life	1 hour @ 25°C
Setting time	6 hrs @ 25°C
Fresh Density	approx 2 ± 0.05 kg/l
Resistance to foot traffic	after 24 hours
Full curing	7 days
Chemical resistance	Common diluted acids & alkalis Distilled water Oil, kerosene Sea water

### COMPRESSIVE STRENGTH (N/mm<sup>2</sup>) – ASTM C 579

Age	Result at 25°C	Result at 35°C
1 day	60±5	80±5
3 days	85±5	90±5
7 days	100±5	105±5

### FLEXURAL STRENGTH (N/mm<sup>2</sup>) – ASTM C 580

Age	Result at 25°C	Result at 35°C
7 days	30±3	> 30

### TENSILE STRENGTH (N/mm<sup>2</sup>) – ASTM C 307

Age	Result at 35°C
7 days	> 14

*\*Properties listed above are only based on controlled laboratory samples and tests: Results may differ based upon statistical variations*



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
178 Kg	178 Kg	178 Kg	178 Kg	178 Kg	178 Kg	178 Kg	178 Kg
			59.3 Kg		59.3 Kg		59.3 Kg
			105 Kg				105 Kg

- 178 kg kit: 2.8 kg epoxy (Part A + Part B), 15 kg specific fillers (Part C)
- 59.3 kg kit: 9.3 kg epoxy (Part A + Part B), 50 kg specific fillers (Part C)
- 105 kg kit: 15 kg epoxy (Part A + Part B), 90 kg specific fillers (Part C)

*depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.*

### 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.

#### PRODUCT APPLICATION

The grout is leveled with a trowel. 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%.

#### **Recommendation:**

Prior to **webertec epo 430 GRT plus** application and as recommended by the API practice 686:

Expansion joints should be made from 12 to 25 mm width with closed cell polyethylene filler (**weber filler board PE**) and placed at 1.4 to 2.8 m intervals in the grout foundation.

Expansion joints require sealing after the grout has cured. In this situation **weber seal PS 1000 PG** could be used 1 hour after application of a primer weberfloor eposil on the epoxy grout edges .

#### **CONSUMPTION**

2 Kg/m<sup>2</sup>/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.

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