

weberep EP grout

Epoxy grout mortar

Technical Data Sheet

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■ Description

Epoxy based, triple component, self-levelling grout mortar with high adherence, compressive and flexural strength.

■ Reference standards

Public Works Pos. No: 04.613/8E

TS EN 1504-3/Nisan 2008 - R4 class

■ Advantages

- Practical packaging
- Super-fluid
- Non-shrinking
- High adherence on metal surfaces
- High mechanical resistance

■ Application areas

Used as vibration and ground-move resistant grouting and flowing mortar and structural adhesive on heavy vehicle traffic areas including bridges, runways, ports and industrial areas; repairing floors and bearing plates; various machinery and crane foundations; rail mountings.

As grouting and flowing mortar;

- Repairing and manufacturing heavy traffic floors and bearing plates,
- Various machinery and crane foundations,
- Rail mountings

As structural adhesive;

- Fasteners,
- Vertical reinforcement bar anchorages



■ Application substrates

Interiors and exteriors;

- Cement based screed,
- Concrete floors,
- Prefabricated concrete,

Please consult us for all other application substrates.

■ Preparation of substrates

- Application substrate should be clean, dry and sound; free from dirt, dust and weak particles.
- Application mould or substrate should be fixed, non-flexible, sealed and cleaned well.

- Pull off value of the concrete to be applied should be minimum 1 MPa.
- If the application substrate is fresh concrete, it should be at least 3-5 weeks old depending on the ambient temperature.
- Epoxy primer should be applied on the substrate before application.
- The material should be prepared in the amount to be used considering the working time.

■ Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- 2 kg of epoxy resin component A and 1 kg of hardener component B should be mixed to a homogenous state in a plastic bucket. Slowly add 12.5 kg of powder component C to the prepared mixture and mixed with a low-speed mixer to a homogenous consistency for 3-4 minutes.
- Mixture should be aged 2 minutes before pouring for microair deflation.
- **weberep EP grout** in fluid form should be poured from the one side of the mould prepared in single move.
- Prevent microair forms inside the poured mortar; deflate using a steel bar if needed.
- After the application, wash all equipment used before drying with thinner.

■ Application tools

Mixer

■ Consumption

200 kg/m² (for 1 mm application thickness)

Note: 80 kg of mortar should be applied for 1 m² dimension with 4 cm thickness.

■ Points of attention

- Make sure there is adequate ventilation for indoor applications; wear gloves and goggles during the application and avoid eye and skin contact.
- Product should be prepared using its components in the given amounts and should not be diluted using solvent or any other extra material. Also, do not add extra aggregate or filler.
- Fluidity of the material may decrease in ambient and surface temperatures lower than 10°C. In such cases, the material should be conditioned in 23°C at least 12 hours before the application.

■ Technical specifications

PRODUCT	weberep EP grout
Product structure	Epoxy
Colour	Mixture: Grey A Epoxy Resin: Light yellow B Epoxy Hardener: Transparent C Powder: Light beige
Mixture density	Fresh mortar 2 gr/cm ³ A Epoxy Resin 1.1 kg/l B Epoxy Hardener 1 kg/l C Powder 1.5 kg/l
Packaging	3 component set 15.5 kg A comp. 2 kg metal container B comp. 1 kg metal container C comp. 12.5 kg kraft bag
Pot life	45 minutes
Time to wait between coats	≈2 hours
Full curing time	7 days
Time to open to traffic	≈2 hours
Application thickness (one layer):	4 cm
PERFORMANCE	
Compressive strength	≥60 N/mm ² (1 day) ≥90 N/mm ² (7 days)
Flexural strength	≥20 N/mm ² (1 days) ≥30 N/mm ² (7 days)
Adherence	≥4 N/mm ² (7 days)

■ Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

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■ Storage

Packaging	15.5 kg three components set
Colour	Beige
Shelf life	<ul style="list-style-type: none">• 18 months from date of manufacture when stored in a dry, moisture-free environment.• Packages should be kept tightly closed when not in use.• Lumped or petrified products should not be used.• Packages should be protected against frost.• Multiple pallets should not be stacked on top of each other during transportation and storage.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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