

weber.rep 768

Grouting concrete 4 mm

Cement-based grouting concrete for statically and dynamically highly stressed components

Product profile

- for grouting socket foundations, steel mounting parts, concrete joints, recesses, anchor bolts and bridge bearings

Product advantages

- particularly fluid
- very high early and final strength
- self-levelling

Product description

weber.rep 768 is a factory-produced, cement-based grouting concrete. It meets the requirements of the German guideline "Production and use of cement-based grouting concrete and grouting mortars (06/06)" (DAfStb – German Committee for Reinforced Concrete).

Fields of application

weber.rep 768 is a cement-based grouting concrete for grouting components subject to high static and dynamic loads, such as socket foundations, steel mounting parts, concrete joints, recesses, anchor bolts (fastening bolts), machine sole plates and base frames, bridge bearings, crane way rails and pre-cast concrete sections.

Product features

- high resistance to frost and de-icing salts
- anti-corrosive
- shrinkage-compensated

Consumption / yield

per mm layer thickness approx. 2 kg/m²

Technical values

Compressive strength (28 days)	95 N/mm ²
Class of consistency	F2
Maximum grain size	4 mm
Compressive strength (1 day)	51 N/mm ²
Fresh mortar density	2.2 kg/dm ³
Expanding	0.1 Vol-%
Water consumption (absolute)	2.6 l/25 kg
Application temperature	5 - 30 °C
Application time	> 90 minutes
Application thickness	20 mm - 120 mm, depending on the geometry and casting height; reinforcements must be installed
Composition	cement, additives, fillers

Storage

Shelf life	min. 12 months
Storage conditions	When stored dry in the original sealed container.

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Application

Surfaces

concrete, screed, mineral subsurface, cementitious substrate

Surface preparation

- Remove any dirt, grease or substances that could reduce adhesion from the concrete substrate.
- The surface must be sufficiently rough and frost-free, and the capillaries must be open.
- Pre-wet the concrete substrate until it is saturated with water (for at least 4 hours).
- At the time of application, the substrate surface should only be "damp"; remove any standing water.
- The surface tensile strength of the surface must be 1.5 N/mm² on average.

Application

Mixing process:

- Mix the contents of the bag with the specified amount of water until lump-free.
- Pour approx. 4/5 of the required amount of water into the mixer.
- After adding the powder component and mixing for approx. 2 minutes, add the remaining specified quantity of water. Depending on the required consistency, use approx. 10% less water than the maximum stated amount.
- The total mixing time should be at least 4 minutes. Suitable mixing equipment includes compulsory mixers as well as a drill fitted with a double mixing paddle.

Application:

- **weber.rep 768** is poured into the specified cavity immediately after mixing. Grouting steel or mechanical components is generally carried out using formwork installed in advance. Ensure that the formwork is sealed and non-absorbent. If the cavity is not square in shape, the grouting mortar should always be poured continuously from the longer side.
- Alternatively, for large-area grouting applications, the grouting mortar can be applied mechanically using suitable commercially available screw or conveying pumps.
- Bubble-free grouting is achieved by incorporating a sufficient number of vent holes or slots into the construction.
- **weber.rep 768** – clear width (grouting height): 20-120 mm.

Post-treatment:

- Protect from dehydration due to high temperatures, excessive sunlight and draughts, starting at the point when the surface of the material begins to set and for at least 5 days.

General notes

The mortar is not suitable for use as a coating for large surfaces. Cement-based building materials may, under certain conditions, lead to incompatibilities when in contact with non-ferrous metals (e.g. aluminium, copper, zinc). Lower temperatures reduce flowability and delay early strength, while high temperatures accelerate strength development and reduce application time. All specified properties refer to a temperature of 20°C, with no draughts, and a relative air humidity of 70%.

weber.rep 768 is subject to regular quality control through external monitoring and self-monitoring.

Special notes

Observe the DAfStb guideline "Production and use of cement-based grouting concrete and grouting mortar" (06/06). Do not add any foreign substances when mixing or applying the product.

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Packaging units

Type	Unit	PU
sack	25 kilogram	40 sacks / palett

The information in this technical information is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.

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