

# weberep grout

## Non-shrinking grout mortar with high flow

### feature

Technical Data Sheet

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#### ■ Description

Cement based, high strength, high-flow, non-shrinking, resistant to weather conditions, water impermeable grout mortar.

#### ■ Reference standards

TS EN 1504-3 - R4 Class

Public Works Pos. No: 10.300.2073 (Old: 04.613/3C)

#### ■ Advantages

- High adherence and resistance right after the application
- High-flow structure, settles itself without any shrinkage

#### ■ Application areas

**weber.rep grout** is used for fixing bases of steel and prefabricated structures, machine and crane mounting bases, foundation sockets subject to dynamic effects and require high resistance; shear wall and column cap production, fixing steel columns on foundation.



#### ■ Application substrates

Interior and exteriors;

- Cement based screed
- Concrete floor
- Prefabricated concrete

Please consult us for all other application substrates.

#### ■ Preparation of substrates

- Application substrate should be clean and sound; free from dirt, dust and weak particles.
- Application mould should be fixed, sealed and cleaned well.
- If the application is made on old concrete, dampen the substrate before the application. Avoid small water pondings.
- The material should be prepared in the amount to be used considering pot life.

#### ■ Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application under strong wind or direct sunlight.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

#### ■ Application

- 25 kg bag of **weberep grout** should be added slowly to a container with an average of 3.75-4.25 liters of clean water, mixed with a low-speed mixer to a homogenous consistency for 3-4 minutes. Do not add water to the hardening mortar.
- Age the mixture for 2 minutes before application.
- **weberep grout** in fluid form should be poured from the one side of the mould prepared in single move, thus air compressions in the mixture is prevented.

#### ■ Application tools

Hand mixer, steel trowel

#### ■ Consumption

1.90 kg/m<sup>2</sup> (for 1 mm application thickness)

#### ■ Points of attention

- Mixing water should be between 20°C and 25°C.
- Wide open substrates exposed to external weather conditions should be protected against sun light and wind using **weber kür A** or covering the substrate with curing blanket for 48 hours.
- After the application, wash all equipment used before drying with clean water.

## ■ Technical specifications

PRODUCT	weberep grout
Product structure	Powder
Colour	Grey
Mortar density	2.20±0.1 g/cm <sup>3</sup>
Mixing ratio	25 : 3.75-4.25 ( <b>weberep grout</b> : water)
Pot-life	30 minutes
Application thickness	Minimum 10 mm Maximum 110 mm (for local repairs)
Time to wait between coats	3 hours
Service time	24 hours
Full curing time	28 days
PERFORMANCE	
Compressive strength	≥25 N/mm <sup>2</sup> (1 day)
Compressive strength	≥60 N/mm <sup>2</sup> (28 days)
Flexural strength	≥9 N/mm <sup>2</sup> (28 days)
Adherence strength	≥2 N/mm <sup>2</sup>
Contraction expansion	≥2 N/mm <sup>2</sup>
Soluble chloride ingredient	≤%0.05
Dangerous materials	NPD
Reaction to fire	A1

## ■ Storage

Packaging	25 kg kraft bag (64 bags per pallet, 1600 kg)
Palette size	107x107 cm
Colour	Grey
Shelf life	<ul style="list-style-type: none"><li>• 6 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment.</li><li>• Packages should be kept tightly closed when not in use.</li></ul>

## ■ 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

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

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

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