

weber.rep M 352

Fibre added structural repair mortar (R3 class)

Technical Data Sheet
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■ Description

Cement based, highly resistant, fibre added, thin and thick applicable structural repair mortar.

■ Referans standartları

Public Works Pos. No: 04.613/3B
TS EN 1504-3/April 2008 - R4 class

■ Advantages

- Quick application with mortar gun for rod gap repairs
- No sagging on vertical applications
- Strong adhesion and mechanical resistance
- Thin or thick applicable
- Easy application
- Extended working time
- Creates a smooth surface

■ Application areas

Used for reinforcing all concrete, prefabricated concrete and similar structures; repairing and levelling at waterproofing, siding, flooring and tiling applications; filling tie-rod gaps. Applicable on both reinforced and non-reinforced areas.

Used together with **weber.rep AD** for repairing reinforcement bars and concrete corroded by reinforcement bars.



■ Application substrates

Interior and exteriors;

- Cement based renders,
- Concrete,

Please consult us for all other application substrates.

■ Preparation of substrates

Concrete substrates:

- The substrate should be clean, dry and free from mold oils.
- Surface should be checked using hammer for low-adherence substrates. Weak parts should be removed and corners of the repairing area should remain open.
- Completely uncover the rusted reinforcement bars.
- The substrate should be dampened before the application; saturated with water in extremely hot and windy weathers.

Reinforcement bars:

- Remove the rust on bars using a steel brush and clean from dust.
- Cut the contact of reinforcement bars with concrete, apply 2 coats of **weber.rep AD** anti-corrosive bonding and primer using a brush.
- Next application should be made wet on wet when the material is still damp.

■ Application conditions

- Ambient and surface 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

- Mix 25 kg bag of **weber.rep M352** with average of 5 litres of clean water.
- **weber.rep M352** should be stirred to a homogenous consistency using a trowel or low-speed mixer. The mixture should be aged 2 minutes before application.

Substrate levelling:

- While using **weber.rep M352** as levelling render, dampen the substrate prior to application and apply with trowel.
- Avoid adding water to a hardening mortar.
- Dampen the substrate for 2-3 days after the application.

Bevel formation:

- **weber.rep M352** at plastic consistency is bevelled on the joints of substrate wall at maximum of 50 mm radius using bevelling trowel.
- Waterproofing application can get started once the material finishes hardening.

Gun application:

- **weber.rep M352** at plastic consistency is filled into mortar gun.
- Remove the plastic in tie-rod, roughen then surface around the hole, clean dust and dampen the surface.
- The mortar prepared in the gun is applied to the tie-rod gap.

Repair principle:

- 3:1 renew concrete with mortar application by hand

■ Application tools

Hand mixer, steel trowel, scraper, finishing trowel, steel wire brush

■ Consumption

1.80 kg/m² (for 1 mm application thickness)

■ Points of attention

- Dampen the substrate for 2-3 days after the application.
- Beware adding extraneous materials before or during the preparation of the product. Make sure the water added to the mixture is clean.
- Should not be used on gypsum, old painted surface, aerated concrete block, stone and stone wall substrates.
- Avoid adding excess water to the mixture.
- After the application, wash all equipment used before drying with clean water.

■ Technical specifications

PRODUCT	weber.rep M 352
Product structure	Powder
Colour	Grey
Mortar density	21±0.1 g/cm ³
Mixing ratio	25 : 5 (weber.rep M 352 : water)
Pot-life	Approx. 45 minutes
Service time	24 hours
Full curing time	28 days
PERFORMANCE	
Compressive strength	≥25 N/mm ² (28 days)
Bonding strength	≥1.5 N/mm ²
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">• 6 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment.• Packages should be kept tightly closed when not in use.

■ 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.

Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş. is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.