

# 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.

### ■ Reference standards

- TS EN 1504-3/April 2008 – R3 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

### ■ Range of application

- 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

- Interiors and exteriors;
  - Cement based render
  - Concrete



- Please contact us for all other application substrates

### ■ Preparation of substrates

Concrete substrates:

- Surfaces must be clean, dry and free from mould oil.
- Surface should be checked using hammer for low-adherence substrates. Weak parts should be removed and corners of the repairing area should remain open.
- Rusted reinforcement bars should get completely uncovered.
- Dampen the substrate before application; the surface should be saturated with water in too 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.
- Next application should be made wet on wet when the material is still damp.

### ■ Application conditions

- Ambient temperature is between +5 °C and +30 °C.
- Avoid application in strong wind or sun.

- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

### ■ Application

- Mix 25 kg of **weber.rep M 352** with 5 litres of clean water.
- **weber.rep M 352** 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 M 352** as levelling render, dampen the substrate prior to application and apply **weber.rep M 352** using a trowel.
- Avoid adding water to a hardening mortar.
- Dampen the substrate for 2-3 days after the application.

Bevel formation

- **weber.rep M 352** at plastic consistency is bevelled on the joints of substrate wall at maximum of 40 mm radius using bevelling trowel.
- Waterproofing application can get started once the material finishes hardening.

Gun application

- **weber.rep M 352** 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

### ■ Application tools

- 1,8 kg/m<sup>2</sup> (for 1 mm layer 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 Informations

<b>PRODUCT</b>	<b>weber.rep M 352</b>
<b>Product Type</b>	Powder
<b>Color</b>	Grey
<b>Mixture Density</b>	2,1±0,1 g/cm <sup>3</sup>
<b>ph value (mixture)</b>	12
<b>Packing</b>	25 kg kraft bag
<b>APPLICATION</b>	
<b>Water ratio</b>	4-5 liters
<b>Working time</b>	Approx. 45 min
<b>Service opening time</b>	Approx. 24 hours
<b>Full curing time</b>	28 days
<b>PRODUCT PERFORMANCE</b>	
<b>Compressive strength</b>	> 25 N/mm <sup>2</sup> (28 days later)
<b>Adhesion strength</b>	> 1,5 N/mm <sup>2</sup> (28 days later)
<b>Reaction to fire</b>	AI

<b>CE</b>	
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Saint Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. Kemalpaşa OSB Mah. Kuyucak Yolu Sokak No: 284 35730 Kemalpaşa / İzmir / Türkiye	
TS EN 1504-3:2008	
Cement based, highly resistant, polymer and fibre added, thin and thick applicable structural repair mortar	
<b>weber.rep M 352</b>	
Class R3	
Compressive strength	≥ 25 N/mm <sup>2</sup>
Adhesive bond	≥ 1,5 N/mm <sup>2</sup>
Thermal compatibility	≥ 1,5 N/mm <sup>2</sup>
Chloride ion content	≤ %0,05
Carbonation resistance	Complies
Reaction to fire	AI

## Storage

<b>Packaging</b>	25 kg kraft bags
<b>Pallet size</b>	107x107 cm (max. 3 level stacking) 64 units per pallet, total of 1600 kg
<b>Shelf life</b>	1 year from date of manufacture when stored unopened in a dry, moisture-free environment. Packages should be kept tightly closed when not in use. Lumped or petrified products should not be used.

## Safety Precautions

- Use the appropriate safety equipment (dust mask, gloves).
- Protect your Eyes / face.
- Avoid contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of water and consult a specialist.
- Read the Material Safety Data Sheet for more detailed safety information.

- The stated times apply for 20 °C substrate and ambient temperature and increase at lower temperatures and decrease at high 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 or failure to comply with the foregoing application conditions and advice on the product.

