

# weber.tec RM1

## High performance thin repair and levelling mortar

Technical Data Sheet  
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### ■ Description

Cement based, polymer modified, high performance thin repair and levelling mortar for concrete.

### ■ Reference standards

Public Works Pos. No: 04.613/3A  
TS EN 1504-3/April 2008 - R2 class

### ■ Advantages

- Perfect adherence on concrete and rendered substrates
- Resistant to water, frost and bad weather conditions
- Smooth and easy application on wide areas
- Easy application on vertical substrates

### ■ Application areas

Used as concrete repair and levelling mortar on walls and ceilings of interiors and exteriors of all buildings. Also, used as repair mortar before granite and tiling applications.



### ■ Application substrates

- Interiors and exteriors;
- Cement based renders,
  - Concrete,

Please consult us for all other application substrates.

### ■ Preparation of substrates

- The substrate should be free from mold oils; be clean, sound and damp.
- The substrate should be dampened before the application; saturated with water in extremely hot and windy weathers.

### ■ 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.tec RM1** with average of 6.75 - 7.25 litres of clean water.
- **weber.tec RM1** should be stirred to a homogenous consistency using a trowel or low-speed mixer. The mixture should be aged 2 minutes before application.
- **weber.tec RM1** should be applied in equal thickness on the whole substrate using steel trowel. Avoid adding water to hardening mortar.
- If the application will be made in multiple coats, 3 hours of waiting time required between the coats and the substrate should be dampened before starting the next coat. Total thickness should not exceed 10 mm.
- Ensure substrate smoothness using damp sponge or plastic trowel.
- Dampen the substrate for 2-3 days after the application.

### ■ Application tools

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

### ■ Consumption

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

### ■ Points of attention

- Dampen the substrate for 2-3 days after the application.
- Not applicable on gypsum, old painted substrates, aerated concrete blocks, stone, stone walls and hollow bricks.

## ■ Technical specifications

PRODUCT	weber.tec RMI
Product structure	Powder
Colour	Grey
Mortar density	1.85±0.1 gr/cm <sup>3</sup>
Mixing ratio	25 : 7 (weber.tec RMI : water)
Pot-life	Approx. 60 minutes
Application thickness for single layer (max.)	1,5 mm (single layer)
Time to wait between coats	Average 3 hours
Application thickness	1-10 mm
PERFORMANCE	
Compressive strength	≥15 N/mm <sup>2</sup>
Flexural strength	≥3 N/mm <sup>2</sup>
Bonding strength	≥1.0 N/mm <sup>2</sup>
Soluble chloride ingredient	<0.05%
Reaction to fire	A1

## ■ Storage

Packaging	25 kg kraft bag (64 bags per pallet, 1,600 kg)
Palette size	107x107 cm
Colour	Grey
Shelf life	<ul style="list-style-type: none"><li>• 1 year 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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