

## Technical Information Sheet Article No. 1010

# Rapid Hardener

Mineral, fast setting mortar  
Ready-to-use sealing mortar

### Range of use

Remmers Rapid Hardener is used for fast, subsequent sealing of leaking areas, seepage water, water inrush and other leaks on concrete, masonry work and render in cellars, water tanks, tunnels, shafts, etc.

### Property profile

Remmers Rapid Hardener contains special hydraulic binders and is shrink-compensated. At normal temperatures, Remmers Rapid Hardener reacts immediately with water. The product is free of chloride and soda additives. It does not promote rusting of reinforcement steel in concrete and does not form efflorescence. The material is water impermeable and frost-resistant after thorough drying and hardening, does not rot and does not shrink. Working time can be lengthened by adding Portland cement.

### Characteristic data of the product

Bulk density – powder:	approx. 1.4 kg/dm <sup>3</sup>
Water requirements:	25%
pH value:	approx. 12
Commencement of setting at 20 °C:	approx. 30 sec.
End of setting at +20 °C:	approx. 40 sec.
Commencement of setting at +5 °C:	approx. 3 min.
End of setting at +5 °C:	approx. 4 min.
Compressive strength:	
after 3 hours:	> 5 N/mm <sup>2</sup>
after 1 day:	> 10 N/mm <sup>2</sup>
after 7 days:	> 20 N/mm <sup>2</sup>
Tensile bending strength:	
after 3 hours:	> 1 N/mm <sup>2</sup>
after 1 day:	> 2 N/mm <sup>2</sup>
after 7 days:	> 4 N/mm <sup>2</sup>

### Directions

- For quickly sealing cracks, horizontal and construction joints. Chisel out cracks or joints at least 3 cm deep and widen wedge shaped towards the inside. Mix **4 parts Remmers Rapid Hardener** and **1 part water** and immediately press into the chiselled out area. In case of particularly strong running or seepage areas, use relief tubes.
- Seepage areas can be chiselled out as described above and sealed with Remmers Rapid Hardener in powder form (wear protective gloves), using the water that seeps in as mixing water.

### Notes

When using, observe analogous trade guidelines for cement mortars. At low outdoor temperatures, use warm water and Rapid Hardener that has been stored at room temperature. Pre-wet dry areas. Do not use in contact with lead or gypsum. Remmers Rapid Hardener can be used in a temperature range of +5 °C to +30 °C. Higher temperatures accelerate setting time; lower temperatures increase setting time. When mixing with water, mix only small amounts at one time, e.g. in a gypsum cup, and work immediately. Do not add more water.

### Tools, cleaning

Masoner's trowel, filling knife.  
Clean tools with water while the mortar is still fresh. Once the mortar has set, it can be removed with Remmers Concrete Dissolvent II.

### Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

### Packaging, application rate, shelf-life

#### Packaging:

1 kg, 5 kg and 15 kg plastic containers

#### Application rate:

Approx. 2 kg/ l cavity volume

#### Shelf-life:

At least 1 year in unopened containers stored dry. Once containers have been opened, the contents should be used within one week.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

1010-TI-11.06



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