



Floor Expert

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## ZM RAPID

**Rapid setting, cement based self-levelling compound with very good self levelling properties, for use from 1 – 10 mm. Suitable on most cement based substrates. For indoor use only.**

- Very good flowing properties
- High level of hardness and strength
- Ready for covering after approx. 1,5 h
- Gives a very smooth surface
- Suitable for applications on subfloor heating system
- Suitable for castor wheels (>2 mm)
- Pumpable

### TECHNICAL DATA

**Basis:** Cement based  
**Density:** 1,17 kg/liter of dry powder  
**Consumption:** approx. 1,5 kg/m<sup>2</sup>/mm  
**Layer thickness:** 1 - 10 mm  
**Potlife:** approx. 20 minutes  
**Walk-able:** approx. 1 hour  
**Cover-able:** approx. 1,5 -2 hours  
**Application temperature:** Not below +5°C, best conditions between +15°C - +20°C  
**pH:** >11,5  
**pH, 5 days after curing:** approx. 8  
**EN 13813:** CT-C50-F10

All values are approximate and are subject to climate fluctuations.

All technical data values are given considering normal room climate conditions (+20°C and 50% RH).

### APPLICATIONS

ZM RAPID is suitable:

- For full-surface smoothing and leveling of the sub floors.
- In residential, commercial, schools, office and hospitals
- Under textile, ceramic and elastic coverings
- For full-surface levelling under parquet (layer thickness must be at least 3 mm)

- For indoor use only.
- The leveling compound must be covered , preferably within 3 days, to prevent cracks.

### SUBSTRATES

ZM RAPID is suitable on substrates like:

- Concrete
- Cement and rapid cement screeds

### REQUIREMENTS OF SUBSTRATE

- Adequate strength, bearing strength, dimensional stability and permanent dry.
- Free of layers which reduce adhesion, e.g. dust, dirt, oil, fat, wax cleaning agents and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Old, loose and weak levelling layers should be removed mechanically.
- When installing floor coverings, the RH of the construction must not exceed 85%.
- Layers of water-soluble adhesives, e.g. sulphite adhesives, should be removed completely.
- Old water-resistant adhesives should be mechanically removed as thoroughly as possible.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.



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- OSB to be grinded intensively.
- Rooms that do not have a cellar underneath must to be sealed against rising dampness in compliance with the standard.
- The requirements specified in relevant valid standards, guidelines and specifications must be fulfilled.

### MIXING RATIO

- 25 kg of ZM RAPID / 5,75-6,0 liter of cold water

### PRIMING

For priming the substrates, use suitable Casco Floor Expert primer. For further information see technical data sheet of the primer.

### RECOMMENDED METHOD OF WORKING

- Using a clean bucket.
- Pour ZM RAPID into cold, clean water and stir to a homogenous mixture (speed mixer recommended, 600 rpm, 3 min)
- Then pour out the levelling compound and spread using a toothed trowel. It is possible to achieve an even surface without difficulties. It is usually not necessary to remove trowelling defects or to level more than once.
- In case of thick layers, protect vertical elements with isolating strip.
- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with VD (1:1) or VD FIX, when dry. The combined layer thickness, must not exceed the given maximum layer of the leveling compound. The second layer may not exceed the layer thickness of the first.
- Carry out preparatory work such as filling joints, evening out hollows and unevenness using the sturdy repair mortar EF.
- Water-bearing pipes in metal must be sealed to avoid contact with the leveling compound, since for example galvanized steel pipes don't have sufficient corrosion protection.
- Protect curing ZM RAPID from high ambient

temperatures, direct sunlight and draughts.

- Clean tools with water.

### PACKAGING

- 25 kg

### STORAGE

- Store ZM RAPID in cool, dry conditions.
- Storage life 6 month (in closed packaging).
- Opened bags should be closed immediately and used up as soon as possible.

### DISPOSAL

- Empty bags completely and dispose in accordance with local regulations.
- For disposal of product residues, waste water and containers with adherent product residues, follow local governmental regulations.

### EMICODE

- EC 1 Plus R: very low emission Plus, regulated

### SAFETY AND ENVIRONMENT

Always make sure to use suitable gloves and goggles when handling the product.

Rinse thoroughly with water in case of skin and eye contact.

For further information, see safety data sheet

### INSTRUCTIONS

All information applies to standard conditions and relates to the non-extended levelling compound.

Use relevant product data sheets when using complementary products, if in doubt, consult the manufacturer.

Requirements of relevant valid standards, guidelines and data sheets apply



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### DISCLAIMER

The applicable recommendations, guidelines and safety data sheets are to be followed, together with architectural and engineering regulations.

We guarantee that our products leave the factory in perfect condition. Our recommendations are based on tests and practical experiences, however, they can only provide general guidance since we have no influence over the conditions on site, the execution of the work or the method of processing.

This product data sheet supersedes all previous editions.

Our information is based on laboratory tests and practical experience and may, as such, be considered a guide in connection with choice of product and working method. As the user's working conditions are beyond our control, we do not assume any responsibility for the results. Our responsibility covers exclusively personal injury or damage to property which actually have been proved subsequent to faults and defects in one of the products manufactured by us.

#### Certified according:



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