

# PRODUCT DATA SHEET

## ZM Rapid

Rapid setting, cement based self-levelling compound, for use from 1 – 10 mm.



### DESCRIPTION

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.

### USES

Suitable on most cement based substrates.  
For indoor use only.

### CHARACTERISTICS / ADVANTAGES

- 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

### APPROVALS / CERTIFICATES

EN 13813: CT-C50-F10  
EC 1 Plus R: very low emission Plus, regulated

### PRODUCT INFORMATION

<b>Composition</b>	Cement based
<b>Packaging</b>	25 kg
<b>Shelf life</b>	Storage life 6 month (in closed packaging). Opened bags should be closed immediately and used up as soon as possible.
<b>Storage conditions</b>	Store ZM RAPID in cool, dry conditions.
<b>Bulk density</b>	1,17 kg/liter of dry powder

## APPLICATION INFORMATION

Consumption	approx. 1,5 kg/m <sup>2</sup> /mm
Layer thickness	1 - 10 mm
Substrate temperature	Both substrate and leveling compound: Not below +5°C, best conditions between +15°C - +20°C
Pot Life	approx. 20 minutes
Waiting time to overcoating	Walk-able: approx.1 hour Cover-able: approx. 1,5 -2 hours

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

ZM RAPID is suitable on substrates like:

- Concrete
- Cement and rapid cement screeds

### SUBSTRATE PREPARATION

#### 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.
- 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

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

### APPLICATION

ZM RAPID is suitable for:

- 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.

### 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

- Use 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 temper-

#### PRODUCT DATA SHEET

ZM Rapid

March 2023, Version 02.01  
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- atures, direct sunlight and draughts.
- Clean tools with water.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of CASCOFE products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website [www.CASCOFE.eu](http://www.CASCOFE.eu).

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### PRODUCT DATA SHEET

ZM Rapid  
March 2023, Version 02.01  
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