

## PRODUCT DATA SHEET

# Casco<sup>®</sup> RenoRapid

UNIVERSAL REPAIR MORTAR



### DESCRIPTION

Fast curing, cement based sturdy levelling compound for repair and levelling of floors and walls, for making slopes and repairing stairs in layers up to 10 mm (30 mm mixed with sand).

### USES

To be used in interior and exterior floors and walls on cementitious substrates in wet areas, swimming pools and on terraces in residential and commercial areas, schools, office and hospitals. Suitable for application on subfloor heating systems and for slope formation.

### CHARACTERISTICS / ADVANTAGES

- Wide usage area
- Indoor & outdoor
- Wet and dry rooms
- Fast drying
- Suitable for applications on subfloor heating system
- Suitable for slope formation

### APPROVALS / CERTIFICATES

- EN 13813: CT-C16-F4

### PRODUCT INFORMATION

Composition	Cement based
Packaging	25 kg bag
Shelf life	12 months in unopened packaging. Opened bags should be closed immediately and used up as soon as possible.
Storage conditions	Store in cool, dry conditions.
Density	Ca. 1,62 kg/L of dry powder

### APPLICATION INFORMATION

Mixing ratio	25 kg powder with ca 3,75 L cold water
Consumption	1,6 kg / m <sup>2</sup> / mm
Layer thickness	<ul style="list-style-type: none"><li>▪ 1-10 mm</li><li>▪ 10-30 mm locally</li></ul>
Substrate temperature	Both substrate and leveling compound not below +5 °C, best conditions between +15 °C - +20 °C
Pot Life	Approx. 15 minutes at +20 °C

## Waiting time to overcoating

- Walkable after approx. 45 minutes.
- Coverable
  - with ceramic tiles layer thickness >30 mm – after 2 h
  - with ceramic tiles layer thickness >10 mm,
  - PVC or other elastic coverings – after 24 h

## 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

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Casco® RenoRapid is suitable on substrates like:

- concrete and light concrete
- cement and rapid cement screeds
- calcium sulphate based screeds
- old substrates with old water-resistant adhesive residues
- ceramic tiles and natural stone
- floor heating systems

### PRIMING

- For priming the substrates, use suitable Casco primer. Absorbent subfloors should be primed with Casco Primer and non-absorbent subfloors with Casco SuperPrimer. For further information see technical data sheet of the primer.

### 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

- For 1-10 mm: 25 kg of Casco® RenoRapid / approx 3,75 liter of clean cold water.
- For 10-30 mm: 25 kg of Casco® RenoRapid/ approx

4,75 liter of clean cold water/ 16 kg (10 l) of sand Ø 0-3 mm.

- For bonding slurry: 25 kg of Casco® RenoRapid/ approx 6 liter of clean cold water/ 2 liter of Casco primer.

Mix with a mechanical stirrer or by hand to a homogeneous lump-free mass.

### APPLICATION

Casco® RenoRapid is suitable:

- For floors and walls indoor and outdoor
- For local repair, full-surface smoothing and levelling
- For making slope
- For repairing stairs
- On cement or polymerbased substrates
- In dry and wet rooms
- Together with floor heating
- The leveling compound must be covered

For outdoor application or thicker layers (above 5 mm) apply first a slurry coat. External application may be carried out on damp but not on wet surfaces.

### APPLICATION METHOD / TOOLS

Using a clean bucket. Pour Casco® RenoRapid into cold, clean water and stir to a homogenous mixture (speed mixer is recommended). Spread the mortar with a steel trowel. The surface can be smoothed with a wood float or sponge board. Suitable working temperature is between +10 °C - +20 °C, not below +5 °C for both base and powder. Avoid direct sunshine and draught on the fresh layer.

In case of thick layers, protect vertical elements with isolating strip.

If a second layer of levelling compound is to be applied, the first layer should be primed with Casco Primer (1:1) when dry. The combined layer thickness, must not exceed the given maximum thickness of the levelling compound. The second layer may not exceed the layer thickness of the first.

Carry out preparatory work such as filling joints, evening out hollow sand unevenness relevant sturdy repair mortar.

Water-bearing pipes in metal must be sealed to avoid contact with the levelling compound, since for example galvanized steel pipes don't have sufficient corrosion protection.

Protect curing Casco® RenoRapid from high ambient temperatures, direct sunlight and draughts.

#### PRODUCT DATA SHEET

Casco® RenoRapid  
May 2022, Version 01.02  
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## CLEANING OF EQUIPMENT

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 Casco 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.casco.eu](http://www.casco.eu).

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