

# RS 88

## Rapid repair mortar

### CHARACTERISTICS

- ▶ quick drying
- ▶ good filling capacity
- ▶ horizontal and vertical application
- ▶ no tensions
- ▶ wheelchair resistant (according to EN 12529)

### DESCRIPTION

Ceresit RS 88 is a filling and leveling mortar that can be applied in thicknesses of 1-100 mm. It is used for repairs on cement and concrete-based screeds (cracks or small irregularities). Ideal for leveling steps. Can also be used for heated floors. RS 88 must be covered (e.g. with a PVC carpet). For indoor use only. Good filling capacity. Quick hardening at any thickness. Walkable in 30-60 minutes. Quick drying with low tensions. For surfaces of up to 4 square meters.

### SUBSTRATE PREPARATION

Substrates must observe the requirements of the applicable national regulations (e.g.: GP 037/0-1998). Before applying the leveling compounds, it should always be ensured that, for floating screeds, the residual humidity of the substrate is  $< 2 \text{ CM} \%$  on cement screeds without underfloor heating system ( $< 1.8 \text{ CM} \%$  with underfloor heating system) and  $< 0.5 \text{ CM} \%$  for calcium sulphate screeds without underfloor heating system ( $< 0.3 \text{ CM} \%$  with underfloor heating system). The substrates should have a recommended compression resistance of at least  $15 \text{ N/mm}^2$ . For adhering screeds and when the leveling compound is applied directly on the concrete surfaces, it is necessary to determine the residual humidity across the screed's cross-section. If it is not possible to determine the residual humidity, a sufficient drying time of several months should be observed. Moreover, composite structures must be protected with a humidity barrier (e.g. Ceresit R 755 and quartz sand anchorage) to prevent an increase of humidity in the floor structure. The recommended graining for the quartz sand is 0.3-0.8. The substrate must not show structural defects, be hollow, it should have adequate compression and tensile resistance, it should be permanently dry, with no contaminants, dust, adhesive residue that might prevent the Ceresit product from adhering to it. We recommend a mechanical preparation (polishing) of the substrate. Choose and apply the adequate Ceresit primer before applying this product; in case of doubt, contact the Henkel technical service.



### APPLICATION

Ceresit RS 88 must be prepared in a bucket with clean water (5.5-6.5 liters/25 kg bag). Mix well in order to avoid lumps. Apply the product at the right thickness using the mortar. Avoid quick drying and direct exposure to sunlight. The room temperature, the high powder temperature (RS 88) and the high water temperature of the mixing water will reduce workability and drying time. At low temperatures, the workability and the drying time will increase. In order to apply in thicknesses higher than 10 mm, add 30% sand (7.5 kg/bag of RS 88) with a grain of  $< 4 \text{ mm}$ . No additional water is required when adding sand.

### STORAGE

6 months after the date written on the package, in the original package, well-sealed and in dry areas (relative air humidity  $< 50\%$ ) and temperatures over  $0^\circ\text{C}$ .

## PACKAGING

25 kg paper bags.

## IMPORTANT INFORMATION

The temperature of the substrate on which the screed is applied should not be higher than 15°C and the room temperature should not be higher than 18°C for a relative humidity of up to 75%.


Protect the screed against accelerated drying: direct exposure to sunlight or air currents.

When applying on soft layers (e.g. adhesive residue), cement leveling compounds are susceptible to cracks. For this reason, such layers should be removed if possible before applying the product. If the surface is uncovered for a longer period (e.g.: a few weeks) after applying the leveling compound, this will also favor crack formation. For this reason, leveled surfaces should be covered with flooring as soon as possible. Do not use outdoors and in permanently damp areas.

It is imperative to observe and provide sufficient drying time. Please note that, under different climate conditions, hardening and drying may be accelerated or delayed. Additive cement and filling materials that determine an alkaline reaction when combined with water.

## PRODUCT SAFETY

Reduced chromate content. Contains cement. Has strong alkaline reaction with humidity, thus protect skin and eyes. Immediately wash skin with plenty of water after contact with the product. In case of eye contact, do the same and seek medical advice.

	
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<b>HENKEL ROMANIA OPERATIONS S.R.L.</b> 1-7 Ioniță Vornicul St. 020325, Sector 2, Bucharest	<b>12</b>
<b>EN 13813:2002</b>	
<b>00194</b>	
Self-leveling cement-based screed for indoor use	
<b>EN 13813 CT - C30 - F10</b>	
Reaction to fire:	<b>A1fl</b>
Corrosive substance emission:	<b>CT</b>
Water permeability:	<b>NPD</b>
Water vapor permeability:	<b>NPD</b>
Compression resistance:	<b>C30</b>
Bend resistance:	<b>F10</b>
Adherence to substrate:	<b>B 2,0</b>
Wear resistance:	<b>NPD</b>
Noise insulation:	<b>NPD</b>
Noise absorption:	<b>NPD</b>
Heat resistance:	<b>NPD</b>
Chemical resistance:	<b>NPD</b>

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## DISPOSAL

Only completely empty packages may be recycled. Eliminate hardened product waste as industrial waste similar to household waste or in a commercial/ construction waste collection container. Eliminate unhardened product waste as dangerous waste. Waste code: 170101.

## TECHNICAL DATA

Color:	grey
Consistency:	powder
Density:	1.4 kg/dm <sup>3</sup>
Consumption:	1.5 kg/m <sup>2</sup> for 1 mm thickness
Water amount:	5.5 liters clean water/25 kg RS 88 for repair filling
Water amount:	6.5 liters clean water/25 kg RS 88 for leveling
Workability:	5-15 minutes depending on the water quantity used for preparation
Walkable:	after 30-60 minutes
Ready for covering:	after 2-24 hours
Load bearing:	Resistant to chairs castor according to EN 12529.
Adherence to substrate:	min. 2 N/mm <sup>2</sup>
Compressive strength:	min. 30 MPa
Class (SR EN 13813):	CT - C30 - F10 - B2.0
Temperature resistance	
- after hardening:	up to max. +50°C, may be used for constructions with underfloor heating system
- for transport:	-20°C and +50°C
- for storage:	0°C and +50°C

The information above is general and not applicable to every substrate, project or system. The information is based on our ongoing experience and on the results of continued and careful testing. The various conditions and methods of use will influence the application of this product. The optimal performance of the product depends on the user's professional judgement and on compliance with: commercial practices, applicable standards and practice codes, which factors are outside our control. The application, use and processing of our products is outside our control and supervision and is exclusively your responsibility. The issue of this Ceresit technical data sheet renders previous information obsolete.

