RS 88

Rapid repair mortar

Levelling compound for layers of 0.5 – 10 mm in one single application

CHARACTERISTICS

- Quick drying
- Good filling capacity
- Horizontal and vertical application no tensions
- Wheelchair resistant (according to en 12529)

SCOPE OF USE

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 CM % on cement screeds without underfloor heating system (< 1.8 CM% with underfloor heating system) and < 0.5 CM % for calcium sulphate screeds without underfloor heating system (< 0.3 CM % with underfloor heating system). The substrates should have a recommended compression resistance of at least 15 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.

CERESIT C_RS88_TDS_1_0121

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 mm. No additional water is required when adding sand.

PLEASE NOTE

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.

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.

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Ceresit RS 88
EN 13813:2002
00194
Self-leveling cement-based screed for indoor use

Reaction to fire:	A1fl
Corrosive substance emission:	CT
Water permeability:	NPD
Water vapor permeability:	NPD
Compression resistance:	C30
Bend resistance:	F10
Adherence to substrate:	B 2,0
Wear resistance:	NPD
Noise insulation:	NPD
Noise absorption:	NPD
Heat resistance:	NPD

STORAGE

9 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°C.

PACKAGING

Bags of 25 kg.

TECHNICAL DATA

Color:	grey
Consistency:	powder
Density:	1.4 kg/dm³
Consumption:	1.5 kg/m² 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/mm²
Compressive strength:	min. 30 MPa
Class (SR EN 13813):	CT – C30 – F10 – B2.0
Temperature resistance	
after curing	up to max. +50 °C, can be used on underfloor heating constructions
for transport	-20 °C to +50 °C
for storage	0 °C to +50 °C

The above data are based on normal climatic conditions (23 °C / 50 % rel. air humidity). Other climatic conditions can cause a lengthening or shortening of cure and drying times.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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