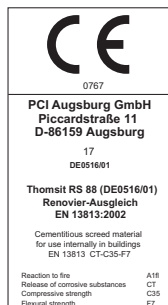




## RS 88 Rapid repair mortar

Levelling compound for layers of 1–100 mm in one operation



- For steps, podia and screed holes
- Adjustable consistency for levelling and filling jobs
- Rapidly ready for coverings, irrespective of layer thickness
- Low-stress formulation
- High final strength

### Fields of application

Thomsit RS 88 is a universal, levelling compound that can be used for building norm-conforming substrates and produces layers of 1 - 100 mm in one operation. Its consistency can be adjusted - from non-slump to paste-like - by changing the amount of gauging water.

Suitable for repairing concrete floors and screeds, for filling holes and dents, for levelling steps and podia. Only use in dry indoor areas. Do not use for levelling large areas or for producing wearing surfaces.

Thomsit RS88 meets the highest requirements for occupational safety, indoor air quality and environmental compatibility.

### Technical data

Supplied as	grey powder
Packaging	paper bag, 25 kg
Shipping unit	42 bags per pallet
Amount of gauging water	
Mixing ratio for stiff consistency	approx. 5.5 l / 25 kg
Mixing ratio for skimming	approx. 6 - 6.5 l / 25 kg
Working time	between 5 and 15 minutes depending on water amount
Ready for foot traffic	after approx. 30 - 60 minutes
Ready for floor covering	after approx 60 min (up to 30 mm)
Load bearing	resistant to chairs with castors according to DIN EN 12529
Temperature resistance	
after curing	up to +50 °C, can be used on underfloor heating constructions
for transport	-20 °C to +50 °C
for storage	0 °C to +50 °C
Shelf life	6 months in paper bag, cool and dry 12 months in PE bag, cool and dry

The above times 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.

### Consumption

Layer thickness	Consumption	Coverage per 25 kg bag
per 1 mm	approx. 1.5 kg/m <sup>2</sup>	
2 mm	approx. 3 kg/m <sup>2</sup>	approx. 8.3 m <sup>2</sup>
5 mm	approx. 7.5 kg/m <sup>2</sup>	approx. 3.3 m <sup>2</sup>
10 mm	approx. 15 kg/m <sup>2</sup>	approx. 1.7 m <sup>2</sup>



## Preparation of substrate

Substrates should comply with the requirements of ATV DIN 18 365 "Flooring work", ATV DIN 18 356. In particular they must be clean, free from structural defects, firm, permanently dry, and free of release agents.

The following maximum permissible residual moisture contents must always be observed (indicated in % CM):

Screed type	Resilient and textile flooring, parquet and other wood flooring, laminate	
	Heated	Unheated
Cement screed	1,8 %	2,0 %
Calcium sulfate screed	0,3 %	0,5 %

The ingress of moisture into the floor structure must always be prevented by suitable measures (e.g. waterproofing membranes, barrier primers). This applies in particular to composite structures and concrete floors.

In the case of cement-based substrates, any laitance must be removed using suitable machines. Always grind calcium sulfate screeds and vacuum clean. Dense, smooth surfaces, e.g. ceramic tiles, must be thoroughly cleaned and roughened.

Before applying the levelling compound, pretreat the surface with the recommended Thomsit primer.

## Application procedure

Pour the required amount of clean water into a clean mixing tub and stir in desired quantity of Thomsit RS 88 using a suitable electric stirrer and stir for about 2 minutes until the mixture is free of lumps.

### Non-slump consistenc

Mixing RS 88 with approx. 220 ml of water per kg powder produces a stiff, non-slump compound for filling holes, repairing stair treads, landings, concrete floors and screeds. After initial setting (approx. 15 minutes), the edges can be trimmed. After final setting (approx. 30 minutes), the floor can be levelled with Thomsit levelling compounds.

### Pourable consistency

Mixing RS 88 with approx 250 ml of Water per kg powder produces a pourable compound suitable for skimming and filling activities.

## Please note

- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and levelling compounds.
- Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C and relative humidity below 75 %.
- Wait until the applied product is completely dry before continuing with the next steps. For this purpose, ensure favorable climatic conditions (recommended: 50 % rel. humidity, 20 °C) and adequate air circulation.
- Danger of crack formation if the water is removed too quickly! Too rapid dehydration may be caused by high room temperatures or highly absorbent substrates. Therefore protect the freshly applied layer from drying out too quickly. If possible, cover with flooring within a max. period of two weeks. If this is not possible, the area should be protected against too rapid drying, e.g. by covering it with a protective sheet.
- Protect freshly installed surface from direct sunlight and draughts.
- Do not mix with other levelling compounds.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.
- Do not use for producing screeds or wearing surfaces.
- Clean tools with water immediately after use.
- Close open bags thoroughly and use them up quickly.
- When applied on soft layers (e.g. adhesive residues), cementitious levelling compounds are susceptible to cracking. Such layers must therefore be removed as far as possible before applying the compound.
- If the surface remains uncovered for a longer period of time (e.g. several weeks) after application of the levelling compound, this will also promote the formation of cracks. For this reason, levelled surfaces should be covered with a flooring material as soon as possible.



## Product safety

The risk of medium- or long-term release of appreciable concentrations of volatile organic substances (VOC) into the ambient air is negligible. Nevertheless, ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product.

RS 88 contains cement. Strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. Information for allergy sufferers on: + 49 180 2273112. Keep out of reach of children.

### For professional users.

Safety data sheet available on [www.thomsit.com](http://www.thomsit.com)

**Ingredients:** special cements, mineral aggregates, polyvinyl acetate copolymers, additives

GISCODE ZP 1	low chromate content
EMICODE EC 1 <sup>PLUS</sup> R	very low-emission according to GEV
RAL UZ 113	Blue Angel, environmentally friendly due to very low emissions

## Technical information

Please also follow the instructions in the following information sheets:

1. "Assessment and treatment of the surfaces of calcium sulphate flow screeds" published by the Industrieverband WerkMörtel e.V., Duisburg
2. "Assessment and preparation of substrates" issued by the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf, ([www.beb-online.de](http://www.beb-online.de))
3. "Preparation of screeds for flooring installation" issued by the Industrieverband WerkMörtel e.V., Duisburg
4. "Assessment and preparation of substrates", technical briefing note TKB-8 issued by the Industrieverband Klebstoffe, Düsseldorf

## Disposal

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Only recycle totally empty packages. European waste code number (EWC): 17 01 01

The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and 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 the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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