

Repair mortar

RS 88

for leveling from 1 – 100 mm in one single application



Do not use for surfaces or to produce screeds / wearing surfaces. THOMSIT RS 88 meets the highest requirements for occupational safety and environmental compatibility.

FEATURES AND BENEFITS

- Adjustable consistency for non-slump filling, levelling and patching jobs
- Rapidly ready for covering, regardless of layer thickness
- Low-stress formulation
- High final strength

FIELDS OF APPLICATION

Multi-purpose, fast-setting, polymer-modified, cementitious levelling compound for producing substrates that comply with the applicable standards. Application in layers of 1 to 100 mm thickness in one step. THOMSIT RS 88 is suitable for:

- filling screed holes and dents
- levelling and repairing stair treads and landings
- levelling and patching jobs.

Only for dry indoor areas. Do not use for levelling large areas or for producing screeds/wearing surfaces.

THOMSIT RS 88 meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

Supplied as	grey powder
Packaging	EVO ³ bag, 25 kg
Shipping unit	42 bags per pallet
Amount of gauging water for non-sag consistency	approx. 5.5 l / 25 kg

for skimming	approx. 6 – 6.5 l / 25 kg
Working time	5 - 15 minutes depending on water amount
Ready for foot traffic	after approx. 30 – 60 minutes
Ready for floor covering	after approx. 60 minutes (up to 30 mm)
Load bearing	resistant to chairs with castors according to DIN EN 12529
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
Shelf life	at least 12 months, 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 ²	
2 mm	approx. 3 kg/m ²	approx. 8.3 m ²
5 mm	approx. 7.5 kg/m ²	approx. 3.3 m ²
10 mm	approx. 15 kg/m ²	approx. 1.7 m ²

PREPARATION OF SUBSTRATE

Substrates must comply with the requirements of the applicable standards and regulations. 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 leveling compound, pretreat the surface with the recommended THOMSIT primer.

APPLICATION PROCEDURE

Pour the required amount of clean water into a clean mixing bucket 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 consistency

Mixing THOMSIT RS 88 with approx. 220 ml of water per kg powder produces a 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 leveled with THOMSIT leveling compounds.

Pourable consistency

Mixing THOMSIT 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 leveling 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.
- Risk 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 leveling compounds.
- On non-absorbent substrates and on moisture-sensitive substrates (e.g. ceramic tiles, calcium sulphate screeds, wood/wood-based panels, firmly adhering adhesive residues, etc.) we generally recommend to apply a reaction resin primer with quartz sand scattering for layer thicknesses of more than 10 mm.
- Apply a coat, at least 2 mm thick, to non-absorbent substrates.
- Level mastic asphalt screeds no thicker than 5 mm.
- 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 leveling compounds are susceptible to cracking. Such layers must therefore be removed as far as possible before applying the compound.

TECHNICAL INFORMATION

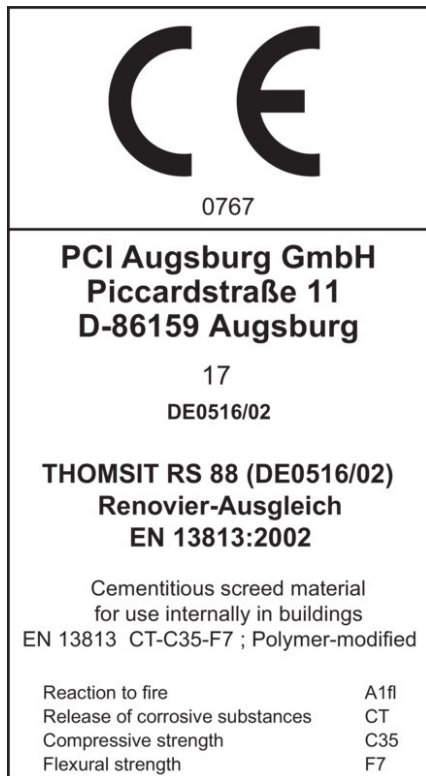
Please follow the instructions in the following information sheets:

- DIN 18365 "Floor covering work"
- DIN 18356 "Parquet work"
- Information sheets from the Technical Commission for Building Adhesives (www.klebstoffe.com, see "Publications"), in particular TKB-8 leaflet "Assessment and preparation of substrates" and TKB-9 leaflet "Technical description and processing of floor leveling compounds"

- "Notes on the assessment and preparation of the surface of anhydrite flowable screed" from the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de)
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf
- Recognized rules of the trade as well as the respective national standards and regulations.

SERVICE FOR ARCHITECTS AND DESIGNERS

Please contact our sales force if you need advice or building project support. Further documents can be downloaded from the internet at www.thomsit.com.



DECLARATION OF PERFORMANCE

The Declaration of Performance can be downloaded as pdf file under www.thomsit.com.

PRODUCT SAFETY

Contains: Portland cement.

Causes severe eye damage. Causes skin irritation. Keep out of the reach of children. Wear waterproof, heavy-duty protective gloves, eye/face protection. In case of contact with eyes: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing. Seek medical advice/medical attention immediately. In case of contact with skin: Wash with plenty of soap and water. If skin irritation occurs: Seek medical advice/attention. Provide thorough ventilation during processing and drying. Avoid eating, drinking and smoking while processing the product. Wear long pants. Keep children away from fresh material. The longer fresh material remains on the skin, the greater the risk of serious skin damage. Information for allergy sufferers under telephone no. +49 821 5901-0.

Further information is available in the safety data sheet at www.thomsit.com.

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

GISCODE ZP 1	low in chromates according to regulations 2003/53/EG
EMICODE EC 1 ^{PLUS}	very low-emission
DE-UZ 113	(Blue Angel), environmentally friendly due to very low emissions

DISPOSAL

Further information on disposal can be found on our homepage at <http://www.thomsit.de/services-seminare/entsorgungshinweise>. Do not allow the product to enter sewer systems, surface waters or the soil. Only return the completely emptied buckets for recycling. Dried material residues can be disposed of as household waste. Non-hardened product residues must be taken to a collection point for hazardous waste.

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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.