THOMSIT make it!

A brand of PCI – Für Bau-Profis

Renovation leveling compound

RS 100

for leveling to zero mm in one application

GEV-EMICODE EC 1 PLUS very low emission

BLUE ANGEL THE GERMAN ECOLABEL www.blauer-engel.de/uz113

FEATURES AND BENEFITS

- Rapid renovation levelling compound that can be feather-edged
- Can be applied by trowel without visible trowel marks
- Adjustable consistency for non-slump filling, levelling and patching jobs
- Rapidly ready for foot traffic and flooring installation
- Can be easily smoothed and molded to the surface
- Can be applied in any layer thickness

FIELDS OF APPLICATION

Multi-purpose, fast-setting, polymer-modified, cementitious renovation levelling compound for patching and filling work.
THOMSIT RS 100 is suitable for:

- filling holes and dents
- levelling and repairing stair treads and landings
- levelling out height differences
- smoothing uneven areas
- levelling larger surfaces.

The consistency can be adjusted from non-slump to paste-like by changing the amount of gauging water. Only for dry indoor areas. Do not use for producing screeds or wearing surfaces.
THOMSIT RS 100 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	
Mixing ratio for stiff consistency	approx. 6.0 l / 25 kg approx. 240 ml / 1 kg

Mixing ratio for skimming	approx. 6.5 – 7.0 l / 25 kg approx. 260 - 280 ml / 1 kg
Working time	between 5 and 15 minutes depending on water amount
Ready for foot traffic	after approx. 25 – 60 minutes
Ready for floor covering	after approx 60 minutes (up to 30 mm)
Load bearing	from 1 mm layer thickness 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	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/m²	
2 mm	approx. 3 kg/m²	approx. 8.3 m²
5 mm	approx. 7.5 kg/m²	approx. 3.3 m²
10 mm	approx. 15 kg/m²	approx. 1.7 m²

PREPARATION OF SUBSTRATE

Substrates should comply with the requirements of the valid 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 clear water into a clean mixing tub and stir in desired quantity of THOMSIT RS 100 using a suitable electric stirrer and stir for about 2 minutes until the mixture is free of lumps.

Non-slump consistency

Mixing THOMSIT RS 100 with approx. 240 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. 25 minutes), the floor can be leveled with THOMSIT leveling compounds.

Pourable consistency

Mixing THOMSIT RS 100 with approx 260 ml of water per kg powder produces a pourable compound suitable for skimming and filling activities as well as for height adjustments of large areas up to 10 m².

Blending with sand

THOMSIT RS 100 can be applied unblended up to 30 mm in one workstep. To fill holes and recesses from 30 to 100 mm, the renovation leveling compound must be blended with up to 50% THOMSIT QS 20 quartz sand (grain size 0.2-2.0 mm). In case of large areas over 30 mm to 50 mm, THOMSIT RS 100 must also be blended with sand.

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.
- Dried THOMSIT RS 100 is an absorbent substrate and must be primed with a suitable THOMSIT primer when applying in several layers or when reworking with self-leveling filler.
- 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 leveling compounds.
- We recommend to apply a reaction resin primer with quartz sand sprinkled over the surface for layer thicknesses of more than 10 mm for use on non-absorbent substrates and moisture-sensitive substrates (e.g. ceramic tiles, calcium sulphate screeds, wood/wooden boards, firmly adhering adhesive residues, etc.).
- Leveling on mastic asphalt screeds and old adhesive residues no thicker than 5 mm.
- Do not use for producing screeds or wearing surfaces.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.
- 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"
- Leaflets from Technische Kommission Bauklebstoffe (www.klebstoffe.com, see "Publications"), in particular TKB-8 "Assessment and preparation of substrates" and TKB-9 "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), www.beb-online.de
- Generally recognized rules of the trade for the installation of flooring as well as the applicable national standards.

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PCI Augsburg GmbH
Piccardstraße 11
D-86159 Augsburg

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DE0516/02

THOMSIT RS 88 (DE0516/02)
Renovier-Ausgleich
EN 13813:2002

Cementitious screed material
for use internally in buildings
EN 13813 CT-C35-F7 ; Polymer-modified

Reaction to fire	A1fl
Release of corrosive substances	CT
Compressive strength	C35
Flexural strength	F7

DECLARATION OF PERFORMANCE

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

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.

PRODUCT SAFETY

Keep out of the reach of children. Ensure thorough ventilation during application and drying. Avoid eating, drinking and smoking while processing the product. Wear protective gloves. If in contact with eyes or skin, rinse immediately and thoroughly with water. Information for allergy sufferers on: + 49 821 5901-0.
See the safety data sheet for more information. Safety data sheet available on www.thomsit.com.

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

GISCODE ZP 1	low chromate content according to regulation 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.

PCI Augsburg GmbH
Piccardstraße 11, 86159 Augsburg,
Tel.: +49 821 5901 0

thomsit-info@pci-group.eu
www.thomsit.com