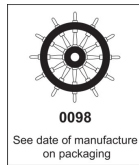
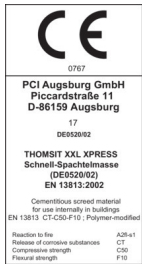


Rapid leveling compound

XXL XPRESS

For leveling up to 20 mm in one single application



For dry indoor use only. Do not use THOMSIT XXL XPRESS as a screed.

FEATURES AND BENEFITS

- Super fast, ready to receive flooring after just about 90 minutes
- Very good flowability, suitable for pump application
- Low-dust formulation for cleaner work
- Ultra-smooth surface - easy adhesive application and reduced consumption
- Suitable for use under parquet
- Very high strength, therefore suitable for industrial applications

FIELDS OF APPLICATION

Very low-emission, polymer-modified, cementitious floor leveller for producing substrates that comply with the applicable standards and are ready for the installation of flooring, including parquet. THOMSIT XXL XPRESS is ready to receive flooring after just about 90 minutes and therefore ideally suited for work under high deadline pressure. THOMSIT Rapid Levelling Compound can be used on:

- screeds and concrete
- tiles and flagstones
- natural stone and terrazzo
- old substrates (made of the above materials) with firmly adhering, waterproof residues of adhesives

Can also be used in areas subject to high wear and tear, e.g. hospitals, retail outlets, shopping malls and industrial warehouses. Only for dry indoor areas. Do not use THOMSIT XXL XPRESS as a screed. When applying a suitable surface coating, THOMSIT XXL XPRESS can be used as a wearing surface.

THOMSIT XXL XPRESS meets the highest demands for occupational safety, indoor air quality and environmental compatibility. THOMSIT XXL XPRESS has been approved and certified as a marine equipment item according to the EU Marine Equipment Directive (MED), issued and monitored by the certification body DNV GL, modules B and D.

TECHNICAL DATA

Supplied as	grey powder
Packaging	EVO ³ bag, 25 kg
Shipping unit	42 bags per pallet
Amount of gauging water	5.5 – 6.0 l / 25 kg
Working time	approx. 20 minutes
Ready for foot traffic	after approx. 90 minutes
Ready to receive	
floor coverings	after approx. 90 minutes
bonding with THOMSIT DT 100 /DT 200	after approx. 4 hours
parquet and bonding with reaction resin products	after at least 12 hours
Load bearing	from 1 mm layer thickness 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
transport	-20 °C up to +50 °C
storage	0 °C up 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. humidity). Other climatic conditions can cause a lengthening or shortening of cure and drying times.

CONSUMPTION

Layer thickness	Consumption	Coverage / 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 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	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.

THOMSIT XXL XPRESS can be applied up to a maximum layer thickness of 5 mm without need for a primer:

- when used on firmly adhering, waterproof old adhesive residues and leveling compound residues if textile or elastic floor coverings are subsequently bonded.
- on new, properly sand-sprinkled mastic asphalt screeds IC10 and IC15.

APPLICATION PROCEDURE

Fill the predefined amount of clean water into a clean mixing vessel and then add THOMSIT XXL XPRESS. Mix with a suitable stirrer for approx. 2 minutes until the mixture is free of lumps. Apply the leveling compound in the required layer thickness using a screed rake or smoothing trowel. Please stick to the following minimum layer thicknesses:

- low-absorbent or non-absorbent substrates, old substrates and substrates sensitive to moisture at least 2 mm, with subsequent bonding of natural rubber 3 mm.
- under elastic coverings also absorbent substrates at least 2 mm.
- under parquet at least 2 mm.
- do not level mastic asphalt screeds to a thickness greater than 5 mm.
- for chair castor suitability at least 1 mm.

For a layer thickness greater than 10 mm up to max. 20 mm, THOMSIT XXL XPRESS should be bulked out with 30 % dry quartz sand THOMSIT QS 20 (0.2 – 2 mm).

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 work when 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.
- If water is withdrawn too quickly (heated rooms or highly absorbent substrates), there is a risk of cracking and surface defects! Protect the fresh leveling layer from drying out too quickly and, if possible, cover it with floor coverings within 14 days. If this it is not possible during this period, take suitable measures, e.g. protective film, to protect the area from drying out too quickly or from precipitation.
- Protect the freshly applied compound 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.).
- 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.

XXL XPRESS

- Close the 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 also follow the instructions in the following information sheets:

- DIN 18365 "Floor covering work".
- DIN 18356 "Parquet work".
- "Assessment and preparation of substrates", leaflet TKB-8, Industrial Association of Adhesives, Düsseldorf.
- "Technical description and processing of floor leveling compounds", leaflet TKB-9, Industrial Association of Adhesives, Düsseldorf.
- "Notes on the assessment and preparation of the surface of anhydrite flowable screeds" from the Federal Association of Screed and Flooring e.V. (BEB), Troisdorf (www.beb-online.de).
- "Assessment and preparation of substrates" by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de)

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.

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PCI Augsburg GmbH Piccardstraße 11 D-86159 Augsburg 17 DE0520/02	
THOMSIT XXL XPRESS Schnell-Spachtelmasse (DE0520/02) EN 13813:2002	
Cementitious screed material for use internally in buildings EN 13813 CT-C50-F10 ; Polymer-modified	
Reaction to fire	A2fl-s1
Release of corrosive substances	CT
Compressive strength	C50
Flexural strength	F10

DECLARATION OF PERFORMANCE

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

PRODUCT SAFETY

Keep out of the reach of children. Ensure thorough ventilation during and after application and drying. Avoid eating, drinking and smoking while processing the product. Wear protective gloves. In contact with eyes or skin, rinse immediately and thoroughly with water. Information for allergy sufferers on: +49 821/59 01- 0.

For more information see the safety data sheet at www.thomsit.com

Ingredients: special cement, mineral additives, poly vinyl acetate copolymer, high-performance plasticizer, additives

GISCODE ZP 1	low chromate content according to 2003/53/EG
EMICODE EC 1 ^{Plus}	very low-emission Plus
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

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.