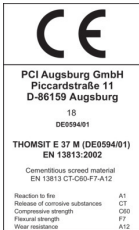


Multi-use fast-setting mortar

E 37 M

for repairs to industrial and residential buildings



FEATURES AND BENEFITS

- Fast-setting cementitious mortar
- Consistency can be adjusted by varying the amount of gauging water
- Virtually shrink-free curing
- Waterproof and frost-resistant, indoor and outdoor use

FIELDS OF APPLICATION

Universal, fast-setting cement mortar for repairing and patching screed surfaces. THOMSIT E 37 M can be used:

- as an moist-soil or flowable mortar for screed repair or patching work
- for repairing concrete floors and stairs
- in a bonded system, on a separation or insulation layer.

THOMSIT E 37 M can also be used in areas subject to high wear and tear, e.g. hospitals, retail outlets, shopping malls and industrial warehouses. The mortar is suitable for use under flooring and parquet, but also for direct use.

THOMSIT E 37 M meets the highest demands 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	6.5 l / 25 kg
- for moist-soil consistency	approx. 2.0 - 2.2 l / 25 kg approx. 80 - 90 ml / 1 kg
- for flowable consistency	approx. 3.0 - 3.5 l / 25 kg approx. 120 - 140 ml / 1 kg

Working time	approx. 45 minutes
Ready for foot traffic	after approx. 6 hours
Ready to receive floor covering	
- moist-soil consistency	after approx. 1 day
- flowable consistency	after approx. 3 days
Ready to receive wood flooring	
- moist-soil consistency	after approx. 2 days
- flowable consistency	after approx. 4 days
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	min. 6 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. The values apply to a moist-soil consistency. Higher amounts of water increase the curing times.

CONSUMPTION

Consumption	Dry mortar approx. 2 kg THOMSIT E 37 M per m ² and mm layer thickness
- 10 mm layer thickness	approx. 20 kg/m ²
- 30 mm layer thickness	approx. 60 kg/m ²
- 40 mm layer thickness	approx. 80 kg/m ²
- 70 mm layer thickness	approx. 140 kg/m ²
Layer thickness	
- bonded construction	10 - 70 mm
- on a separating layer	30 - 70 mm
- on an insulating layer	40 - 70 mm

PREPARATION OF SUBSTRATE

For bonded construction

The substrate must be clean, structurally sound, able to take loads, sufficiently rough, dry and must not have any substances that may impair adhesion. Unstable zones must be completely removed mechanically. Pre-wet the pretreated surface and keep it moist. Apply the mixed THOMSIT E 40 H to the prepared surface immediately and work it in thoroughly using a hard broom. Make sure that the entire surface area is covered with the bonding slurry. Do not allow the bonding slurry to dry! THOMSIT E 37 M must be applied wet on wet and compacted immediately after the application of THOMSIT E 40 H.

On separating or insulating layers

The substrate must be structurally sound and able to take loads. Lay out separating layers wrinkle-free and with sufficient joint

overlap. Screed thickness as well as insulating layers are to be dimensioned according to standards. Field boundaries and the arrangements of joints must be planned and carried out professionally.

APPLICATION PROCEDURE

Fill the appropriate amount of clear gauging water into a clean mixing pail. Add THOMSIT E 37 M and mix for at least 2 minutes until the mixture is free from lumps using a suitable paddle mixer (e.g. double spiral stirrer) attached to an electric drill. Larger quantities can be mixed using a positive mixer. Apply mixed THOMSIT E 37 M mortar to the prepared substrate and spread to the required layer thickness. Compact the mortar and smooth it thoroughly.

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 E 37 M is an absorbent substrate and must be primed with a suitable THOMSIT primer when post-treated with self-levelling compounds.
- Risk of crack formation if the water is removed too quickly (heated rooms or direct sunlight)! Protect the freshly applied layer from drying out too quickly or precipitation by taking appropriate measures, e.g. covering it with a protective sheet.
- Do not mix with other leveling compounds.
- Clean tools with water immediately after use.
- Close open bags thoroughly and use them up quickly.
- The readiness for covering and final strength of THOMSIT E 37 M depend to a large extent on the proportion of mixing water and the environmental conditions. Therefore, never add too much water.

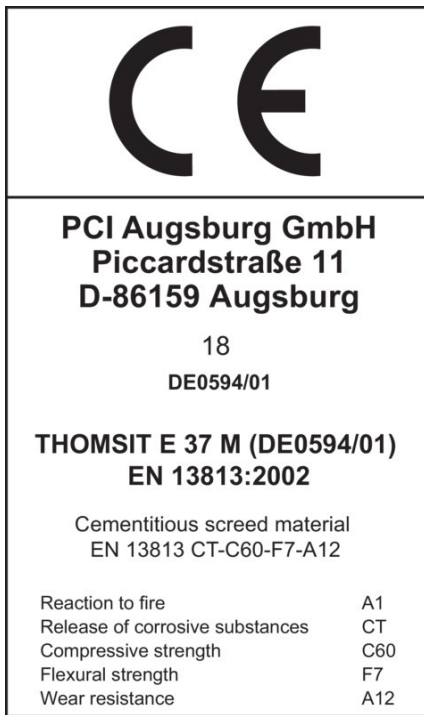
TECHNICAL INFORMATION

Please follow the instructions in the following information sheets:

- DIN EN 13813 "Screed mortar and screed compounds: Properties and requirements".
- DIN 18353 "Screed work".
- DIN 18560 "Screeds in construction".
- DIN EN 1264 "Surface embedded heating and cooling systems".
- Technical Briefing Notes relevant to screed work from the Federal Association of Screed and Flooring e.V. (BEB), the Central Association of the German Building Trade (ZDB) and the Federal Association of Surface Heating and Surface Cooling e.V. (BVF).
- Generally recognized rules of the trade for flooring works as well as the applicable national standards.

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

THOMSIT E 37 M contains cement: Causes severe eye damage. Causes skin irritation.

Keep out of reach of children. Wear protective gloves (e.g. cotton gloves soaked in nitrile) and eye/face protection. If in the eyes: Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice/attention. If on skin: Wash with plenty of soap and water and apply skin cream (pH approx. 5.5). If skin irritation occurs: Seek medical advice/attention.

The product is non-flammable. No special fire precautions are therefore required.

Water hazard class: 1 (Self-assessment)

Information available from: Product Safety/Environmental department (for health and safety matters): Phone: +49 821/5901-0

PCI emergency hotline: Phone +49 180 2273-112

Giscode ZP 1

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.