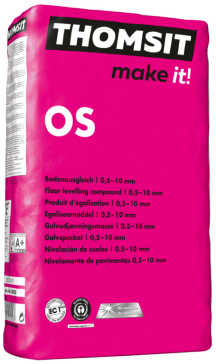
THOMSIT make it!

A brand of PCI – Für Bau-Profis

Floor Leveling Compound

OS

For layers up to 10 mm in one single application



CE
0767
PCI Augsburg GmbH
Piccardstraße 11
D-86159 Augsburg
17
DE0591/03
THOMSIT OS (DE0591/03)
Objektspachtelmasse
EN 13813:2002
Cementitious screed material for use internally in buildings
EN 13813 CT-C30-F7 ; Polymer-modified
Reaction to fire A1fl
Release of corrosive substances CT
Compressive strength C30
Flexural strength F7

GEV-EMICODE EC 1 PLUS very low emission

BLAUER ENGEL DAS UMWELTZEICHEN
www.blauer-engel.de/uz113

FEATURES AND BENEFITS

- Self-levelling and pumpable
- Ultra-smooth surface
- Good strength values

FIELDS OF APPLICATION

Very low-emission, polymer-modified, cementitious floor leveling compound for producing norm-conforming substrates that are ready to receive floor coverings. THOMSIT OS can be used on:

- mineral screeds
- concrete
- tiles and slabs
- natural stones and terrazzo.

Only use in dry indoor areas. Do not use THOMSIT OS as a screed or wearing surface. Do not use on mastic asphalt screeds. THOMSIT OS meets the highest requirements for occupational safety, indoor air quality and environmental compatibility.

THOMSIT OS can be used for the subsequent laying of multi-layer parquet with a minimum layer thickness of 2 mm.

THOMSIT OS 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	6 l / 25 kg
Working time	approx. 25 minutes
Ready for foot traffic	after approx. 2 - 3 hours
Ready for floor covering	
- up to 3 mm layer thickness	after approx. 24 hours
- above 3 mm layer thickness	after 48 – 72 hours
Ready for parquet	
- up to 3 mm layer thickness	after approx. 24 hours
- above 3 - 5 mm layer thickness	after approx. 48 hours
- above 5 - 10 mm layer thickness	after approx. 72 - 96 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
- for transport	–20 °C to +50 °C
- for storage	0 °C to +50 °C
Shelf life	min. 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/unit
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

FIELDS OF APPLICATION

Very low-emission, polymer-modified, cementitious floor leveller for producing substrates that comply with the applicable standards and are ready to receive flooring. THOMSIT OS is a quality leveller for residential and commpercial applications and can be used on suitable

- mineral screeds and concrete floors
- ceramic tiles, natural stone and terrazzo.

Only for dry indoor areas. Do not use THOMSIT OS as a screed or wearing surface. Do not apply the floor leveller on mastic asphalt screeds.

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

PREPARATION OF SUBSTRATE

Substrates must comply with the applicable standards and regulations or comparable national standards. In particular they must be clean, free from structural defects, firm, permanently dry, and free of release agents. 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 sulfhate 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

Fill the predefined amount of clean water into a clean mixing vessel and then add THOMSIT OS. Mix with a suitable stirrer (e.g. THOMSIT TE 162 Exaquirl) for approx. 2 minutes until the mixture is free of lumps.
Apply the leveling compound in the required layer thickness using a squeegee or smoothing trowel.

PLEASE NOTE

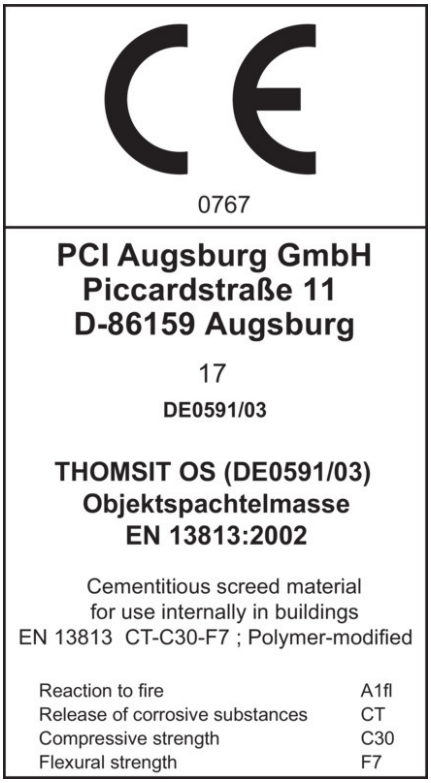
- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and levelling compounds.
- Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C 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.
- If the water is removed too quickly (heated rooms or highly absorbent substrates), there is a risk of cracking! The fresh leveling layer must be protected from drying out too quickly and covered with floor coverings within 14 days if possible. If it is not possible to cover the substrate during this period the area must be protected by suitable measures, e.g. by protective film to protect against drying out too quickly.
- 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.).
- Apply a layer of 2 mm minimum thickness on low-absorbent or non-absorbent substrates.
- 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.
- Do not use outdoors or in areas directly or indirectly exposed to moisture.
- Do not use for producing screeds or wearing surfaces.
- Clean tools with water and soap immediately after use.
- Close the open bags thoroughly and use them up quickly.

TECHNICAL INFORMATION

Please follow the instructions in the following information sheets:

- DIN 18365 "Flooring work"
- DIN 18356 "Parquetry 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



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: quartz sand, calium carbonate, aluminate cement, portland cement, calcium sulfate hemihydrate, vinyl acetate-ethylene copolymer

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

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.

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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