

Premium leveling compound

XXL POWER

For leveling up to 20 mm in one single application



www.blauer-engel.de/102113



Can also be used in heavily used areas, e.g. hospitals, shops, shopping centers and industrial halls. For dry indoor use only.

FEATURES AND BENEFITS

- Superfast and extremely versatile
- 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 leveler for producing substrates that comply with the applicable standards and are ready for the installation of flooring, including parquet. THOMSIT XXL POWER can be used on suitable substrates such as:

- Mineral screeds and concrete
- Prefabricated screeds made of plasterboards/fiberboards
- Mastic asphalt screeds
- Firmly screwed chipboards (P4 to P7) and OSB boards (OSB/2 to OSB/4)
- Ceramic tiles, natural stone and terrazzo
- Old substrates (made of the above materials) with firmly adhering, waterproof residues of adhesives and leveling compounds

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. When applying a suitable surface coating, THOMSIT XXL POWER can also be used as a wearing

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surface.

THOMSIT XXL POWER 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	6.5 – 7.0 l / 25 kg
Working time	approx. 30 minutes
Ready for foot traffic	after approx. 2 hours
Ready to receive floor coverings	
up to 5 mm layer thickness	after approx. 6 - 8 hours
up to 10 mm layer thickness	after approx. 12 - 16 hours
above 10 mm to 20 mm layer thickness	after approx. 24 hours
Ready to receive wood flooring	
up to 5 mm layer thickness	after approx. 12 - 16 hours
above 5 mm to 20 mm layer thickness	after approx. 24 hours
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
transport	-20 °C to +50 °C
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

Thickness	Consumption	Coverage / bag
per 1 mm layer thickness	approx. 1.5 kg/m ²	
2 mm layer thickness	approx. 3 kg/m ²	approx. 8.3 m ²
5 mm layer thickness	approx. 7.5 kg/m ²	approx. 3.3 m ²
10 mm layer thickness	approx. 15 kg/m ²	approx. 1.7m 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

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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.

APPLICATION PROCEDURE

Pour the specified amount of clear water into a clean mixing tub. Stir in THOMSIT XXL POWER with a suitable stirrer (e.g. THOMSIT TE 162 Exaquirl) for approx. 2 minutes until the mixture is lump-free. Apply the leveling compound with a squeegee or smoothing trowel in the required layer thickness. With layers of more than 10 up to 20 mm thickness, the compound can be bulked out by adding up to 30 % dry quartz sand THOMSIT QS 20 (0.2 – 2 mm). THOMSIT XXL POWER can be applied by machine.

For further information refer to the "Guide for Pumping" on www.thomsit.com.

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.
- 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 leveled surface from direct sunlight and draughts.
- Do not mix THOMSIT XXL POWER 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 minimum layer of 2 mm thickness on low-absorbent and non-absorbent substrates.
- Minimum layer thickness under wood flooring: 2 mm.
- Apply a layer of not more than 5 mm thickness on mastic asphalt screeds.
- Do not use THOMSIT XXL POWER in wet or outdoor areas. If in doubt, use suitable moisture barriers.
- Clean tools with water immediately after use.
- Tightly close the opened bags 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.

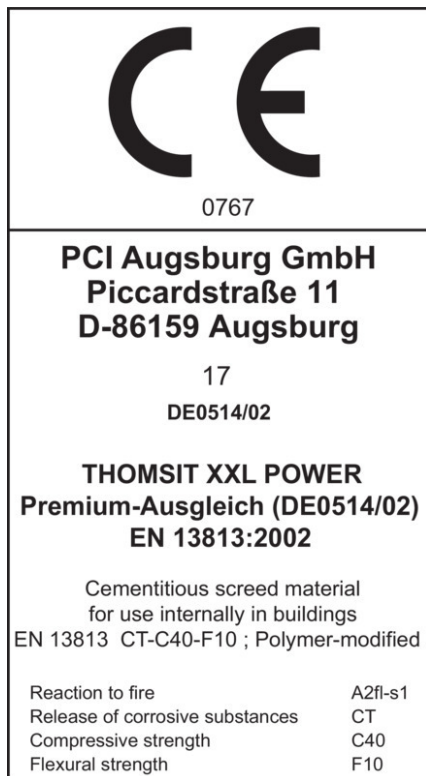
TECHNICAL INFORMATION

Please also follow the instructions in the following information sheets:

- DIN 18365 "Floor covering work"
- DIN 18356 "Parquet work"
- Technical Briefing Notes issued by Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publications"), in particular "Assessment and preparation of substrates", leaflet TKB-8, and "Technical description and processing of floor leveling compounds", leaflet TKB-9.
- "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)
- 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

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

sheet available at www.thomsit.com

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

GISCODE ZP 1	low chromate content according to regulation 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.

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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.