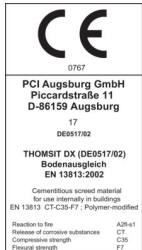


## Floor leveler

# DX

for layers from 0.5 – 15 mm in one workstep



For dry indoor use only. Do not use THOMSIT DX as a screed or wearing surface.

## FEATURES AND BENEFITS

- Excellent flowability, suitable for pump application
- Ultra-smooth surface, facilitates adhesive application and reduces consumption
- Low-stress formulation
- High strength values
- Suitable for use under parquet

## FIELDS OF APPLICATION

Very low-emission, polymer-modified, cementitious floor levelling compound for producing substrates that comply with the applicable standards and are ready to receive flooring, including parquet. THOMSIT DX is a quality leveller for residential and commercial applications and can be used on substrates such as:

- mineral screeds and concrete
- prefabricated screeds made of plasterboards/fiberboards
- mastic asphalt screeds
- ceramic tiles, natural stone and terrazzo
- old substrates (made of the above materials) with firmly adhering, waterproof residues of adhesives and levelling compounds.

Only for dry indoor areas. Do not use THOMSIT DX as a screed or wearing surface.

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

## TECHNICAL DATA

Supplied as	grey powder
Packaging	EVO <sup>3</sup> bag, 25 kg
Shipping unit	42 bags per pallet
Amount of gauging water	6.5 l / 25 kg
Working time	approx. 30 minutes
Ready for foot traffic	after approx. 2 hours
Ready to receive floor covering	
up to 10 mm layer thickness	after approx. 24 hours
over 10 up to 15 mm layer thickness	after approx. 48 hours
Ready to receive wood flooring	
up to 5 mm layer thickness	after approx. 24 hours
over 5 up to 10 mm layer thickness	after approx. 48 hours
over 10 up to 15 mm layer thickness	after approx. 72 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
per 1 mm	approx. 1.5 kg/m <sup>2</sup>	
2 mm	approx. 3 kg/m <sup>2</sup>	approx. 8.3 m <sup>2</sup>
5 mm	approx. 7.5 kg/m <sup>2</sup>	approx. 3.3 m <sup>2</sup>
10 mm	approx. 15 kg/m <sup>2</sup>	approx. 1.7 m <sup>2</sup>

## PREPARATION OF SUBSTRATE

Substrates must comply with the valid requirements or comparable national standards. 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 %

## DX

Calcium sulfate screed	0.3 %	0.5 %
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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

Fill the predefined amount of clean water into a clean mixing vessel and then add THOMSIT DX. 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. THOMSIT DX can be applied by machine. For further information refer to the "THOMSIT Pumping Guide" on [www.thomsit.com](http://www.thomsit.com).

## PLEASE NOTE

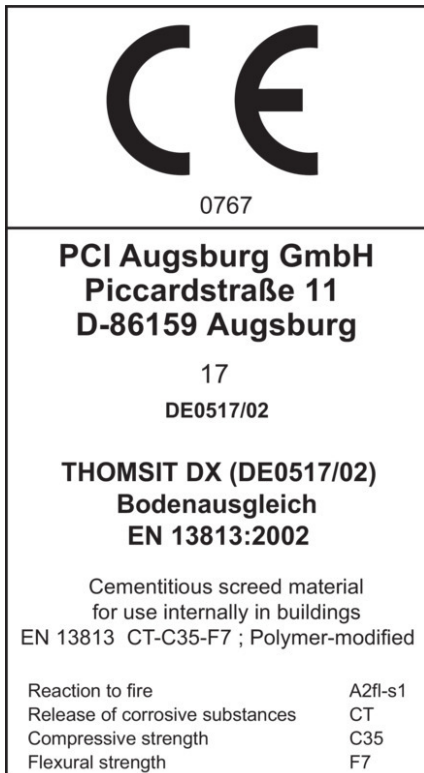
- Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and leveling compounds.
- Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C and 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.
- Risk 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.).
- Apply the filling compound, at least 2 mm thick, to low-absorbent or non-absorbent substrates.
- Minimum layer thickness under wood flooring: 2 mm.
- Level mastic asphalt screed no thicker than 5 mm.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.
- Do not use for producing screeds or wearing surfaces.
- When ventilation is not sufficient, drying can be accelerated with a dehumidifier (condenser dryer) 24 hours after applying the leveling compound.
- 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:

**DX**

- DIN 18365 "Flooring work".
- DIN 18356 "Parquet work".
- Technical Briefing Notes issued by Technische Kommission Bauklebstoffe ([www.klebstoffe.com](http://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](http://www.beb-online.de)).
- "Assessment and preparation of substrates" issued by Bundesverband Estrich und Belag e.V. (BEB), Troisdorf, ([www.beb-online.de](http://www.beb-online.de))
- Generally recognized rules of the trade for flooring works as well as the applicable national standards.



**DECLARATION OF PERFORMANCE**

The Declaration of Performance can be downloaded as pdf file under [www.thomsit.com](http://www.thomsit.com).

**PRODUCT SAFETY**

Keep out of the reach of children. Provide thorough ventilation during processing and drying. Avoid eating, drinking and smoking while processing the product. Wear protective gloves. In case of contact with eyes or skin: Rinse immediately and thoroughly with water. Information for allergy sufferers under telephone no. +49 821 5901-0.

Further information is available in the safety data sheet at [www.thomsit.com](http://www.thomsit.com).

**Ingredients:** quartz sand, calcium carbonate, aluminate cement, calcium sulfate hemihydrate, vinyl acetate-ethylene copolymer

GISCODE ZP 1                      low in chromate according to guideline 2003/53/EG

EMICODE EC 1<sup>PLUS</sup>                very low-emission

## 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](http://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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[www.thomsit.com](http://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.