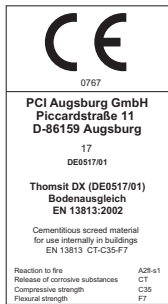




## DX Universal Levelling Compound

Levelling compound for layers of 0.5 – 15 mm in one single application



- Self-levelling and pumpable
- Ultra-smooth surface
- Low-tension
- High strength
- Suitable under wood flooring

### Fields of application

A very low emission floor levelling compound for producing norm-conforming substrates ready to receive floor coverings and wood flooring. Thomsit DX can be used on:

- mineral screeds
- mastic asphalt screeds IC 10 - 15
- concrete
- tiles and slabs
- natural stone and Terrazzo
- old substrates with water-resistant, firmly adhering adhesive residues.

Only use in dry indoor areas. Do not use Thomsit DX as screed or wearing surface. Thomsit DX meets the highest requirements 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
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 hrs
over 10 up to 15 mm layer thickness	after approx. 48 hrs
Ready to receive wood flooring	
up to 5 mm layer thickness	after approx. 24 hrs
over 5 up to 10 mm layer thickness	after approx. 48 hrs
over 10 up to 15 mm layer thickness	after approx. 72 hrs
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	6 months in paper bag, cool and dry 12 months in PE bag, 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 per 25 kg bag	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 should comply with the requirements of ATV DIN 18 365 "Flooring work", ATV DIN 18 356 "Wood flooring work", BS CP 8204 & 8201 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 %
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 cementbased 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 levelling 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 Exaquir) for approx. 2 minutes until the mixture is free of lumps. Apply the levelling 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 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.
- Danger 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 levelling compounds.
- Clean tools with soap and water immediately after use.
- Close open bags thoroughly and use them up quickly.
- 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.
- Minimum layer thickness under wood flooring: 2 mm
- When applied on soft layers (e.g. adhesive residues), cementitious levelling compounds are susceptible to cracking. Such layers must therefore be removed as far as possible before applying the compound.
- If the surface remains uncovered for a longer period of time (e.g. several weeks) after application of the levelling compound, this will also promote the formation of cracks. For this reason, levelled surfaces should be covered with a flooring material as soon as possible.



# Thomsit

DX Universal Levelling Compound

## Please note

- On mastic-asphalt and nonabsorbent mineral substrates a minimum layer thickness of 2 mm must be applied, however 5 mm maximum on mastic asphalt.
- When ventilation is not sufficient, drying can be accelerated with a dehumidifier (condenser dryer) 24 hours after applying the levelling compound.

## Product safety

Chromate-reduced. Contains cement. Strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. The risk of medium- or long-term release of appreciable concentrations of volatile organic substances (VOC) into the ambient air is negligible. Nevertheless, ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. Information for allergy sufferers on: + 49 180 2273112. Keep out of reach of children.

For professional users.

Safety data sheet available on [www.thomsit.com](http://www.thomsit.com)

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

GISCODE ZP 1	low chromate content according guideline 2003/53/EG
EMICODE EC 1 <sup>PLUS</sup> R	very low-emission according to GEV
RAL UZ 113	Blue Angel, environmentally friendly due to very low emissions

## Technical information

Please also follow the instructions in the following information sheets:

1. Briefing notes of the Technische Kommission Bauklebstoffe ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
2. Installation as well as cleaning and care instructions of the flooring manufacturers.
3. Generally recognized rules of flooring technology as well as the applicable national standards.

## Disposal

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil. Only recycle totally empty packages. Dispose of hardened product residues as industrial waste similar to household waste or in the container for commercial/construction site waste. Dispose of unhardened product residues as hazardous waste. European waste code number (EWC): 17 01 01

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.

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