

# Thomsit



## 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

### Scope of use

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:

- screeds
- concrete
- tiles and slabs
- natural stone and Terrazzo
- old substrates with water-resistant, firmly adhering adhesive residues.

For use in dry indoor areas only. Do not use Thomsit DX as screed or wearing surface.

### 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   |
| Shelf life                          | 6 months in paper bag, cool and dry<br>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

|                          |                               |
|--------------------------|-------------------------------|
| Per 1 mm layer thickness | approx. 1.5 kg/m <sup>2</sup> |
| Coverage of a 25 kg bag  |                               |
| 2 mm layer thickness     | approx. 8.3 m <sup>2</sup>    |
| 5 mm layer thickness     | approx. 3.3 m <sup>2</sup>    |
| 10 mm layer thickness    | approx. 1.7 m <sup>2</sup>    |



## Substrate preparation

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. 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

Pour 6.5 litres of clean water into a clean mixing tub and stir in 25 kg of Thomsit DX using a suitable electric stirrer. Stir approximately 2 minutes until the mixture is free of lumps. Apply the levelling compound in the required layer thickness using a smoothing trowel or spreader. On mastic-asphalt and nonabsorbent mineral substrates a minimum layer thickness of 2 mm must be applied, however 5 mm maximum on mastic asphalt.

## Important information

- 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 %.
- 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 in wet areas or outdoors.
- Do not use for producing screeds or wearing surfaces.

## 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 (0)211 797-0.  
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 |

|   |                |
|---|----------------|
| <b>CE</b>   |                |
| <b>0767</b>   |                |
| Henkel AG & Co. KGaA<br>Henkelstr. 67, 40589 Düsseldorf             |                |
| <b>12</b>   |                |
| <b>00176</b>  |                |
| <b>EN 13813: 2002 CT-C35-F7</b>                                     |                |
| <b>Cementitious screed material for use internally in buildings</b> |                |
| Reaction to fire  | <b>A2fl-S1</b> |
| Release of corrosive substances                                     | <b>CT</b>      |
| Water permeability  | <b>NPD</b>     |
| Water vapour permeability   | <b>NPD</b>     |
| Compressive strength  | <b>C35</b>     |
| Flexural strength   | <b>F7</b>      |
| Wear resistance   | <b>NPD</b>     |
| Sound insulation  | <b>NPD</b>     |
| Sound absorption  | <b>NPD</b>     |
| Thermal resistance  | <b>NPD</b>     |
| Chemical resistance   | <b>NPD</b>     |



## Technical information

Please also follow the instructions in the following information sheets:

1. "Assessment and preparation of substrates" issued by the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf ([www.beb-online.de](http://www.beb-online.de)).
2. Briefing notes of the Technische Kommission Bauklebstoffe ([www.klebstoffe.com](http://www.klebstoffe.com), see under "Publications")
3. Installation as well as cleaning and care instructions of the flooring manufacturers.
4. 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.



**Henkel AG & Co. KGaA – Bautechnik  
Deutschland**

Henkelstr. 67 • D40589 Düsseldorf  
Postfach • D40191 Düsseldorf

Phone +49 (0) 2 11/797-0  
Fax +49 (0) 2 11/7984008

[www.thomsit.com](http://www.thomsit.com)  
[thomsit.bautechnik@henkel.com](mailto:thomsit.bautechnik@henkel.com)