

DX



Universal Levelling Compound

Levelling compound for layers of 0.5 – 10 mm in one single application

CHARACTERISTICS

- ▶ 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.

Ceresit DX can be used on:

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

Only use in dry indoor areas. Do not use Ceresit DX as screed or wearing surface. Ceresit DX meets the highest requirements for indoor air quality and environmental compatibility.

SUBSTRATE PREPARATION

Substrates should comply with the requirements of 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):

Type of screed	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. water-proofing 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.



CERESIT C_DX_TDS_1_0121

Dense, smooth surfaces, e.g. ceramic tiles, must be thoroughly cleaned and roughened.

Before applying the levelling compound, pretreat the surface with the recommended Ceresit primer.

APPLICATION

Fill the predefined amount of clean water into a clean mixing vessel and then add Ceresit DX. Mix with a suitable stirrer for approx. 2 minutes until the mixture is free of lumps. Wait for 5 minutes and mix briefly again. Apply the levelling compound in the required layer thickness using a screed rake or smoothing trowel. Ceresit DX can be applied by machine. For further information refer to the „Ceresit Pumping Guide“ on www.ceresit.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.
- 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.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional 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 their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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.

Keep out of reach of children.

For professional users.


Safety data sheet available on www.ceresit.com Ingredients: quartz sand, aluminat cement, calcium carbonate, calcium sulfate hemihydrate, vinyl acetate-ethylene copolymer
 GISCODE ZP 1 low chromate content according guideline 2003/53/EG

EMICODE EC 1PLUS R very low-emission according to GEV.

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.

	
16 Henkel Polska Operations Spółka z o.o. 02-672 Warszawa, ul. Domaniewska 41 Ceresit DX EN 13813:2002 01303 Material for underfloor flooring based on cement, intended for use inside buildings	
Reaction to fire	A2#-s1
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength, MPa	C30
Flexural strength, MPa	F6
Abrasion resistance	NPD
Acoustic insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

STORAGE

12 months in paper bag with PE inlay, cool and dry.

PACKAGING

Bags of 25 kg.



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TECHNICAL DATA

Base	mixture of cement with polymer modifiers and aggregates
Consumption	1,5 kg/m ² per 1 mm
Amount of gauging water	6.0-6,3 l / 25 kg
Working time	approx. 20 minutes
Ready for foot traffic	after approx. 2 hours
Ready to receive floor covering layer thickness	up to 10 mm after approx. 24 hours
Ready to receive wood flooring up to 5 mm layer thickness over 5 up to 10 mm layer thickness	after approx. 24 hours after approx. 48 hours
Compressive strength	C 30 acc. EN 13813
Flexural strength	F6 acc. EN 13813
Shrinkage	-0,06% acc. EN 13813
Reaction to fire	A2fl-s1 acc. EN 13813
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

Consumption:

Layer thickness	Consumption	Coverage per 25 kg bag
per 1 mm	approx. 1.5 kg/m ²	approx. 15 m ²
2 mm	approx. 3.0 kg/m ²	approx. 8.3 m ²
5 mm	approx. 7.5 kg/m ²	approx. 3.3 m ²
7 mm	approx. 15 kg/m ²	approx. 1.7 m ²

The above data 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.

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