Ceresit

DG

Rapid Calcium Sulfate Levelling Compound

For layers of 3 to 30 mm in one single application

CHARACTERISTICS

- Self-levelling and pumpable
- Good strength values
- Easier application and reduced consumption

SCOPE OF USE

Very low-emission floor levelling compound for producing norm-conforming substrates that are ready to receive floor coverings.
Ceresit DG can be used on suitable:
– mineral screeds
– tiles and slabs
– concrete
– natural stones and terrazzo
– epoxy resin coatings.
Only use in dry indoor areas. Do not use Ceresit DG as a screed or wearing surface. Do not use on mastic asphalt screeds.
Ceresit DG meets the highest require- ments for indoor air quality and environmental compatibility.

SUBSTRATE PREPARATION

Substrates should comply with the requirements of com- parable national standards.
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 %

In the case of bonded screeds and when applying the levelling compound directly on concrete surfaces, it is necessary to determine the residual moisture over the cross-section of the screed. If it is not possible to deter- mine the residual moisture, a sufficient drying time of several months must be observed. Moreover, composite structures must be protected with a moisture barrier (e.g. Ceresit R 755) against moisture rising through the floor construction. In particular they must be clean, free from structural defects, firm, permanently dry, and free of release agents.
In the case of cement-based substrates, any laitance must be removed using suitable machines. Always grind calcium sulphate 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 Ceresit primer.

APPLICATION

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

PLEASE NOTE

- Polymer-modified gypsum/ cement combination that sets off an alkaline reaction with water.
- 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 at ambient temperature between +5°C and +25°C and relative humidity below 75 %. It is imperative to observe and ensure sufficient drying times. Please note that in

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other climatic conditions hardening and drying can be accelerated or delayed.
- Protect the freshly applied compound from direct sun- light and draughts.
- Do not mix with other levelling compounds.
- Apply a layer of at least 3 mm thickness on mineral substrates.
- Do not use in wet or outdoor areas.
- Do not use for producing screeds or wear surfaces.
- Clean tools with water immediately after use.
- Close open bags thoroughly and use them up quickly.

PRODUCT SAFETY

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 dry- ing. Avoid eating, drinking or smoking while process- ing this product. Strongly alkaline reaction with mois- ture, so protect skin and eyes. After contact wash im- mediately with plenty of water. After eye contact also seek medical advice.
Information for allergy sufferers on: +49 (0)211 7970.
Keep out of reach of children.
For professional users.
Safety data sheet available on www.ceresit.com

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 commer- cial/construction site waste. Dispose of unhardened product residues as hazardous waste.
European waste code number (EWC): 17 01 01.

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations 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.

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Ceresit DG
EN 13813:2002
01326
Calcium sulphate levelling compound for interior use

Reaction to fire	A1fl
Class	CA-C25-F7
Release of corrosive substances	CA
Water vapour permeability	NPD
Flexural strength, MPa	F7
Compressive strength, MPa	C25
pH	≥7
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	A1fl

STORAGE

6 months in paper bag, cool and dry.

PACKAGING

Bags of 25 kg.

TECHNICAL DATA

Base:	mixture of calcium sulphate and cement with mineral fillers and modifiers
Amount of gauging water:	5.5-6.0 l / 25 kg
Consumption:	1.5 kg/m²/mm
Working time:	20-25 minutes
Ready for foot traffic:	after approx. 12 h
Ready for covering:	
up 5 mm layer thickness	after approx. 24 hours
from 5 mm to 10 mm	after approx. 48 hours
over 10 mm after approx.	7 days
Load bearing:	from 2 mm layer thickness resistant to chairs with castors according to EN 12529
Compressive strength:	C 25 acc. EN 13813
Flexural strength:	F 7 acc. EN 13813
Reaction to fire	A1fl acc. EN 13813
Adhesion to substrate	B 2,0 MPa acc. EN 13813
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/m²	approx. 15 m²
2 mm	approx. 3.0 kg/m²	approx. 8.3 m²
5 mm	approx. 7.5 kg/m²	approx. 3.3 m²
10 mm	approx. 15 kg/m²	approx. 1.7 m²
15 mm	approx. 22,5 kg/m²	approx. 1.1 m²

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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Quality for Professionals

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