

CN 68

Floor Levelling Compound

Self-levelling compound for low traffic loads in 2 to 20 mm layer thickness for indoor use

CHARACTERISTICS

- ▶ smooth surface
- ▶ low shrinkage
- ▶ pumpable
- ▶ suitable for heated floors
- ▶ indoor

SCOPE OF USE

Self-levelling compound for producing norm-conforming substrates before installation of final floor coverings. Ceresit CN 68 is suitable for concrete, cement-sand and other mineral bases to create smooth surface ready to receive textile, lamella, PVC, lino coverings as well as ceramic tiles. Not recommended on plastic or metal substrates. Also suitable for heated floors. Ceresit CN 68 is recommended for dry indoor areas.

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, sound, dry and free of cracks and substances which may impair adhesion. The following maximum permissible residual moisture contents must always be observed (indicated in CM-% measured with a Calcium-Carbide device):

Type of screed	Resilient and textile floor coverings, parquet and wood flooring, laminate flooring	
	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 cementitious substrates, any laitance must be removed mechanically. Always grind calcium sulfate screeds and vacuum off the dust.
- Dense, smooth surfaces like ceramic tiles and slabs must be carefully cleaned and roughened. Before applying the levelling compound, pretreat the surface with the recommended Ceresit or Thomsit primer.
- 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.

APPLICATION

Mix Ceresit CN 68 with clean, clear water (amount: see Technical Data). Stir with an electric drill and mixer attachment at approx. 600 rpm for about 2 minutes until the mixture is completely free of lumps. Stir twice with 2 – 3 min interval. Pour the levelling compound on the floor in the required layer thickness and spread it with a broom, smoothing trowel or squeegee. Afterwards use a spiked

roller to release any entrapped air. If mixed in batches, apply the batches immediately wet in wet. Ceresit CN 68 can be applied with suitable machines. Please follow the machine manufacturer's instructions.

PLEASE NOTE

- Polymer-modified cement/gypsum combination that sets off an alkaline reaction with water.
- 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.
- Protect the freshly applied levelling compound from direct sunlight and draughts.
- Do not mix the product with other floor levelling compounds.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.

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. 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.

Hazard notes/Safety advices/Dangerous goods classification/waste disposal advices: See Material Safety Data Sheet.

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

TECHNICAL DATA

Composition:	Polymer modified cement/gypsum combination with quartz sand and selected additives
Supplied:	as grey powder
Water ratio:	5.5 – 6.0 l/25 kg
Consumption:	approx. 1.5 kg/m ² /mm
Pot life:	max. 40 min
Substrate temperature:	+15 °C to +30 °C
Ready for foot traffic:	in 6 hours
Ready for covering:	
layer thickness up to 5 mm:	in 24 hrs
layer thickness 5 – 10 mm:	in 3 days
layer thickness 10 – 20 mm:	in 7 days
Application temperature:	from +5 °C to +30 °C
Shelf life:	9 months in paper bag, cool and dry

The above times are based on normal climatic conditions (20 °C/ 60 % rel. air humidity). Other climatic conditions can cause a lengthening or shortening of cure and drying times.

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EN 13813: 2002 CA-C20-F6	
Gypsum based levelling compound for indoor use	
Reaction to fire	A1_n
Release of corrosive substances	CA
Compressive strength	C20
Flexural strength	F6

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 willful intent or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Apart from the information given in this technical data sheet, it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable DIN or comparable local standards.

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