# CN 175

## PLUS

## Floor levelling and screeding compound

**Universal calcium sulfate self-levelling & screeding compound in 3 to 60 mm layer thickness for indoor use**

CERESIT C_CT175_TDS_1_0121

## CHARACTERISTICS

- reinforced with fibres
- smooth surface
- ready for foot traffic in 5 hours (depending on layer's thickness)
- easy application
- suitable for weak basis
- suitable for joint-free heated floors
- for dry indoor areas
- pumpable




## SCOPE OF USE

Ceresit CN 175 Plus Universal self levelling compound for production of norm-conforming substrates before covering them with final floor covering materials as well as screed installation. Ceresit CN 175 Plus is suitable for concrete, cement-sand and other mineral bases to create smooth surface ready to receive textile, lamella, PVC, linoleum coverings as well as ceramic tiles. Also suitable for heated floors. Ceresit CN 175 Plus is recommended for dry indoor areas. For screeding application – installation of min. 20 mm thickness is recommended.
It can be used in bathrooms, lavatories and kitchens of residential premises, provided the surface of the waterproofing layer is made of CL 51 mastic with CL 152 waterproof tape around the perimeter.
Used for making:
- monolithic screeds (associated with the substrate);
- screeds on a separating layer - not less than 35 mm thick;
- "floating" screeds (on an elastic heat or sound insulating layer) - not less than 40 mm thick.

## SUBSTRATE PREPARATION

Substrates should comply with the requirements of 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. water- proofing 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 primer.
– Best possible indoor air quality after floor installation work requires conformity to the standard working condi- tions as well as completely dry substrates, primers and levelling compounds.

## APPLICATION

Mix Ceresit CN 175 Plus 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 175 Plus 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 temperatureabove18°Cand 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.

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.

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

## PACKAGING

Bags of 25 kg.

## TECHNICAL DATA

| | | |
|---|---|---|
| Composition: | Polymer modified cement/ gypsum combination with quartz sand and selected additives | |
| Supplied | as grey powder | |
| Water ratio: | approx. 4.5 l/25 kg | |
| Consumption: | approx. 1.8 kg/m²/mm | |
| Working time: | max. 30 min | |
| Ready for foot traffic: | in 5 hours | |
| Ready for covering: | Ceramic tiles | Resilient & textile coverings |
| layer thickness 3 – 10 mm: | in24hours | in 48hours |
| layer thickness 10 – 30 mm | In 3 day | In 5 day |
| Layer thickness 30 – 60 mm | In 5-7 days | In 7 days |
| Application temperature: | From +5 °C to +30 °C | |
| Compressive strength: | 20 Mpa after 28days | |
| Flexural strength: | 5.5 Mpa after 28days | |
| Bonding strength to the substrate: | 1.0 MPa | |
| Shelf life: | 12 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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Quality for Professionals



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