CN 76

EXTRAHART

Pressure- and water-resistant floor levelling compound

Easily spreadable floor levelling compound for layers of 4 to 50 mm both indoors and outdoors

CERESIT C_CN76_TDS_1_0420

CHARACTERISTICS

- for indoor and outdoor use
- self-levelling
- highly load-resistant
- rapid hardening
- suitable for machine application



SCOPE OF USE

CN 76 is used for levellling substrates before installing tiles or other floor coverings and wood flooring (parquet). As a wearing surface in storerooms, cellars and attics. As a wearing surface in factory halls. As a wearing surface in garages.For indoor and outdoor use.
CN 76 is used for smoothing and levelling:
– cement screeds and calcium sulphate screeds,
– ceramic, natural stone and terrazzo tiles,
– substrates with epoxy coatings,
– heated screeds.

SUBSTRATE PREPARATION

The substrates must be clean, crack-free, sound, dry and free of substances that may impair adhesion. In addition, they must comply with the current relevant German ATV standards.
In the case of cementitious substrates, mechanically remove any laitance from the surface with suitable machines. With the following applications, it is recommended to apply a CK 740 priming coat:
– on cement screeds and rough concrete floors in industrially used areas,
– as a wearing surface in garages,
– on ceramic, natural stone and terrazzo tiles,
– on substrates with epoxy resin coatings.
Always grind calcium sulphate screeds and vacuum them off. Cracks can be expertly repaired with CK 740 Epoxy Resin. Larger depressions and spalls must be levelled off with CN 83 or CN 91 before applying CN 73.
After the substrates have been properly and expertly prepared, they need to be primed with suitable CERESIT primers.
(For detailed instructions on how to use the CERESIT primers CT 17, CT 19, CN 94, CN 99 and CK 740, please refer to the respective technical data sheets).

APPLICATION

Mix CN 76 with clean, clear water (amount: see Technical Data). Stir with an electric drill and agitator attachment at approx. 600 rpm until the mixture is completely free of lumps. Pour the levelling compound on the floor and spread with a broom, smoothing trowel or squeegee; afterwards use a spiked roller to release entrapped air. If mixed in batches, apply the batches immediately wet-in-wet. CN 76 can be applied with suitable machines. Please follow the machine manufacturer's instructions. If a higher layer thickness is required, mix CN 76 with sand (amount: see Technical Data). When using CN 76 in areas subject to high stresses or industrially used areas, apply a layer of 6 mm minimum thickness. When applying layers of 4–20 mm thickness, it is recommended to use a suitable spiked roller to release any entrapped air and ensure a smooth and level surface. When producing layers between 20 and 50 mm, CN 76 can be mixed with screed sand of grain size 2–8 mm with a suitable grading curve. Mixing ratio: 2 : 1 parts by weight. When producing layers of 10–20 mm thickness, add sand of a grain size 0–2 mm. In this case, the required amount of gauging water (approx. 4.5 l) must be reduced to account for the moisture content of the sand.

The admixture of screed sand (grain size 0–8 mm) may change the physical properties of the levelling compound. When levelling sloping screeds, use approx. 3.5 l of water for 25 kg of CN 76 to obtain a stiffer consistency.

PLEASE NOTE

CN 76 contains cement and sets off an alkaline reaction with water. Therefore protect eyes and skin. If contact occurs, rinse thoroughly with plenty of water. In case of contact with the eyes, seek medical advice immediately. Excess material can be cleaned off with water while still fresh; after hardening only mechanical removal is possible. Use CN 76 only in dry conditions and at temperatures of +5 °C to +30 °C. The optimum working temperature is between +15 °C and +25 °C. Protect the freshly levelled surface from direct sunshine and draughts.
Do not mix the product with other floor levelling compounds.
Please also note the following technical information:

- Safety Data Sheet
- Product group information on GISCODE ZP1 issued by the Bauberufsgenossenschaft (Builders Trade Association)
- Technical Data Sheets of other CERESIT products
- ATV DIN 18 352 "Wall and floor tiling"
- ATV DIN 18 332 "Natural stone work"
- ATV DIN 18 356 "Laying of parquet flooring"
- Information sheet "Assessment and preparation of substrates
- Installation of resilient and textile floor coverings, laminates and parquet" by the BEB, Troisdorf
- Information sheets issued by the Fachverband Fliesen und Naturstein (Industry Association of Germany's tile and natural stone installers) in the Zentralverband Deutsches Baugewerbe e. V.

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

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 CN 76
00323
EN 13813: 2002 CT-C35-F7-A12
Cementitious screed material for use internally in buildings

Reaction to fire	$A2_{fl}$-S1
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C35
Flexural strength	F7
Wear resistance	A12
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

STORAGE

Up to 12 months from the date of production, when stored on pallets, in dry conditions and in original, undamaged packaging.

PACKAGING

Bags of 25 kg.

TECHNICAL DATA

Base:	Cement combination with mineralfillers and high-quality additives (low chromate content) GISCODE ZP1
Bulk density:	approx. 1.36 kg/dm³
Mixing ratio: approx.	4.5 l water on 25 kg for flowable consistency approx. 3.5. l water on 25 kg for spreadable consistency
Working time:	approx. 40 min
Working temperature:	+5 °C to +30 °C
Ready for foot traffic:	after approx. 3 hrs
Can be used as a wearing surface:	after approx. 48 hrs
Ready for covering with tiles, slabs and natural stones:	after approx. 72 hrs
Ready for coating:	after 24–72 hrs (depending on the layer thickness of the finished surface)
Compressive strength EN 196:	after 1 day ≥ 8 N/mm² after 7 days ≥ 32 N/mm² after 28 days ≥ 40 N/mm²
Bending tensile strength EN 196:	after 1 day ≥ 2.9 N/mm² after 7 days ≥ 5.5 N/mm² after 28 days ≥ 9.5 N/mm²
Suitable for wood flooring:	yes, with R 755
Required amount:	approx. 1.95 kg/m² for 1 mm layer thickness
Extendable with quartz sand:	From a layer thickness of 25–50 mm, the compound can be extended with quartz sand.

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Quality for Professionals

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