

CN 70

Floor screeding compound

Self-levelling floor screeding compound for layer thicknesses of 0.5 to 10 mm

CHARACTERISTICS

- ▶ self-levelling
- ▶ for indoor use
- ▶ can be walked on after 3 hours
- ▶ suited for machine application
- ▶ also for use on heated screeds

SCOPE OF USE

CN 70 is used for levelling subfloors before installing tiles or other floor coverings. For indoor use. CN 70 is also used for smoothing and levelling:

- cement screeds and calcium sulphate screeds
- rough concrete floors

SUBSTRATE PREPARATION

The substrates must be clean, crack-free, sound, dry, free of substances that may impair adhesion and must comply with the current relevant German ATV standards.

In the case of cementitious substrates, mechanically remove any laitance with suitable machines. 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 70.

After properly and expertly preparing the substrates, 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 70 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 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.

CN 70 can be applied with suitable machines. Please follow the machine manufacturer's instructions.

PLEASE NOTE

CN 70 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 70 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. Do not use as a screed.

Please refer to the following information sheets:

- 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 18 365 "Flooring work"
- 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.

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Henkel AG & Co. KGaA Henkelstr. 67, D-40589 Düsseldorf	
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EN 13813: 2002 CT-C25-F6	
Cementitious screed material for use internally in buildings	
Reaction to fire	A1_{fl}
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C25
Flexural strength	F6
Wear resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

TECHNICAL DATA

GISCODE:	ZP 1 (low chromate content)
Bulk density:	approx. 1.3 kg/dm ³
Mixing ratio:	approx. 6 l water for a 25 kg sack
Working time:	approx. 25 min
Application temperature:	+5 °C to +30 °C
Ready for foot traffic:	after approx. 3 hrs
Ready for covering with tiles, slabs and natural stones:	after approx. 24 hrs
Ready for coating:	after 24–72 hrs (depending on the layer thickness of the finished surface)
Compressive strength EN 196:	after 1 day ≥ 4 N/mm ² after 7 days ≥ 16 N/mm ² after 28 days ≥ 23 N/mm ²
Bending tensile strength EN 196:	after 1 day ≥ 1.5 N/mm ² after 7 days ≥ 4.5 N/mm ² after 28 days ≥ 6.0 N/mm ²
Suitable for wood flooring:	yes, if an elastic adhesive is used
Required amount:	approx. 1.5 kg/m ² for 1 mm layer thickness
Shelf life:	approx. 12 months if stored cool and dry in the tightly closed sack. Use up opened sacks as quickly as possible.

Should you need support or advice, please consult our advisory service for architects and craftsmen.
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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 control, 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 wilful intent or gross negligence on our part.

This technical data sheet supersedes all previous editions.

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 standards.

All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

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