

# CN 72

## Floor levelling compound

**Self-levelling floor levelling compound for layers of 0.5 to 20 mm thickness – indoor use. In combination with CC 83 Flexi-Enhancer Additive also outdoor use.**

### CHARACTERISTICS

- ▶ self-levelling
- ▶ abrasion-resistant
- ▶ ready for foot traffic after 3 hours
- ▶ suitable for machine application
- ▶ also for use on heated screeds

**Additional characteristics if combined with CC 83:**

- ▶ waterproof
- ▶ frost-resistant
- ▶ low stress
- ▶ flexible
- ▶ for outdoor use

### SCOPE OF USE

CN 72 is used for levelling subfloors before installing tiles or other floor coverings.

Also under wood flooring (parquet) if used in combination with elastic adhesives.

As a wearing surface in storerooms, cellars, attics and workshops if coated with a heavy-duty epoxy resin coating (e.g. CK 742).

For indoor use.

CN 72 is used for smoothing and levelling:

- cement screeds and calcium sulphate screeds
- mastic asphalt screeds (up to 5 mm) and magnesia screeds
- rough concrete floors
- floorboards, V 100 chipboards, oriented strand boards (OSB) if combined with CC 83
- dry screed elements if combined with CC 83
- ceramic/natural stone and terrazzo coverings
- substrates with epoxy coatings
- heated screeds.

### 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 from the surface 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 72.

After the substrates have been properly and expertly prepared, they need to be pre-treated 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 72 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 72 can be applied with suitable machines. Please follow the machine manufacturer's instructions. If a higher layer thickness is required, mix CN 72 with sand (amount: see Technical Data).

Mastic asphalt screeds and non-absorbent, mineral substrates must be covered with a layer of at least 2 mm thickness – mastic asphalt screeds only up to a maximum layer thickness of 5 mm.

Combination of CN 72 and CC 83 for use on floorboards and outdoors:

Mix CC 83 with water, then add CN 72 and stir until the mixture is free of lumps.

## PLEASE NOTE

CN 72 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 72 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"
- 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.

**Should you need support or advice, please consult our advisory service for architects and craftsmen.**  
**Phone: +49 (0) 211/797 106-07/-55/-59**  
**Fax: 0211-798-1204**

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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## TECHNICAL DATA

|                                  |  |
|----------------------------------|--|
| Bulk density:                    | approx. 1.3 kg/dm <sup>3</sup>   |
| Mixing ratio:                    | approx. 6.5 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                          | approx. 3 hrs  |
| – other coverings                | 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 ≥ 14 N/mm <sup>2</sup><br>after 7 days ≥ 26 N/mm <sup>2</sup><br>after 28 days ≥ 36 N/mm <sup>2</sup>          |
| Bending tensile strength EN 196: | after 1 day ≥ 2.5 N/mm <sup>2</sup><br>after 7 days ≥ 6.0 N/mm <sup>2</sup><br>after 28 days ≥ 8.5 N/mm <sup>2</sup>       |
| Suitable for wood flooring:      | yes, if an elastic adhesive is used  |
| Required amount:                 | approx. 1.5 kg/m <sup>2</sup> for 1 mm layer thickness   |
| Extendable with quartz sand:     | up to 30 mm layer thickness:<br>grain size 0–2.0 mm  |
| Shelf life:                      | approx. 6 months if stored in the tightly closed sack in a cool and dry place. Use up opened sacks as quickly as possible. |
| <b>CN 72 + CC 83:</b>            |  |
| Mixing ratio:                    | 2.0 kg CC 83 + approx. 5 l water for a 25 kg sack of CN 72   |
| Working time:                    | approx. 25 min.  |
| Application temperature:         | +5 °C to +30 °C  |
| Ready for foot traffic:          | after approx. 6 hrs  |
| Ready for covering with          |  |
| tiles, slabs and natural stones: | after approx. 48 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/mm <sup>2</sup><br>after 7 days ≥ 15 N/mm <sup>2</sup><br>after 28 days ≥ 24 N/mm <sup>2</sup>           |
| Bending tensile strength EN 196: | after 1 day ≥ 2.0 N/mm <sup>2</sup><br>after 7 days ≥ 4.5 N/mm <sup>2</sup><br>after 28 days ≥ 7.0 N/mm <sup>2</sup>       |
| Suitable for wood flooring:      | yes, if an elastic adhesive is used  |
| Required amount:                 | approx. 1.5 kg/m <sup>2</sup> CN 72 and approx. 0.12 kg/m <sup>2</sup> CC 83 for 1 mm layer thickness                      |
| Extendable with quartz sand:     | up to 30 mm layer thickness:<br>grain size 0–2.0 mm  |
| Shelf life:                      | approx. 6 months if stored in the tightly closed sack in a cool and dry place. Use up opened sacks as quickly as possible. |

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| <b>13</b>   |                           |
| <b>00331</b>  |                           |
| <b>EN 13813: 2002 GT-G35-F7</b>   |                           |
| <b>Cementitious screed material for use internally in buildings</b>                   |                           |
| Reaction to fire  | <b>A2<sub>fl</sub>-S1</b> |
| Release of corrosive substances   | <b>CT</b>                 |
| Water permeability  | <b>NPD</b>                |
| Water vapour permeability   | <b>NPD</b>                |
| Compressive strength  | <b>C35</b>                |
| Flexural strength   | <b>F7</b>                 |
| Wear resistance   | <b>NPD</b>                |
| Sound insulation  | <b>NPD</b>                |
| Sound absorption  | <b>NPD</b>                |
| Thermal resistance  | <b>NPD</b>                |
| Chemical resistance   | <b>NPD</b>                |