

# CN 97



## Low-Dust Premium Floor Levelling Compound

For layers of 0.5–20 mm thickness in a single application

### CHARACTERISTICS

- ▶ dust-reduced for cleaner work
- ▶ excellent spreadability, pumpable
- ▶ rapidly ready to receive floor coverings
- ▶ super-smooth surface
- ▶ high strength

### SCOPE OF USE

- CN 97 is used for levelling subfloors before installing tiles or other floor coverings and wood flooring (parquet).
- 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 97 is also 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 and V 100 chipboards/oriented strand boards (OSB)
- dry screed elements
- 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 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 97. 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 97 with clean, clear water (amount: see Technical Data). Stir with an electric drill and agitator attachment at approx. 600 rpm for about 2 minutes 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 97 can be applied with suitable machines. Please follow the machine manufacturer's instructions. If a higher layer thickness is required, mix CN 97 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.

## PLEASE NOTE

Chromate-reduced. Contains cement. 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.

Excess material can be cleaned off with water while still fresh; after hardening only mechanical removal is possible.

Use CN 97 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 safety data sheet for safety advice and disposal instructions.

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

<b>CE</b>	
<b>0767</b>	
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<b>13</b>	
<b>00336</b>	
<b>EN 13813: 2002 GT-G35-F7</b>	
<b>Cementitious screed material for use internally in buildings</b>	
Reaction to fire	<b>A2fl-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>

## TECHNICAL DATA

Bulk density:	approx. 1.3 kg/dm <sup>3</sup>
Mixing ratio:	approx. 6.5–7 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. 2 hrs
Ready for covering with	
– tiles	approx. 3 hrs
– other coverings	after approx. 24 hrs
Ready to receive wood flooring:	
	after approx. 24 hrs (up to 5 mm layer thickness)
	after approx. 48 hrs (5–20 mm layer thickness)
Ready for coating:	after 24–72 hrs (depending on the layer thickness of the finished surface)
Compressive strength	
EN 196:	after 1 day ≥ 12.0 N/mm <sup>2</sup>
	after 7 days ≥ 24.0 N/mm <sup>2</sup>
	after 28 days ≥ 35.0 N/mm <sup>2</sup>
Bending tensile strength	
EN 196:	after 1 day ≥ 2.5 N/mm <sup>2</sup>
	after 7 days ≥ 5.5 N/mm <sup>2</sup>
	after 28 days ≥ 8.5 N/mm <sup>2</sup>
Suitable for wood flooring:	yes, without any restrictions
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: grain size 0–2.0 mm
Shelf life:	approx. 6 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.**  
**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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