

CN 72

NIVEL EXPERT

Floor levelling compound

Self-levelling compound for layers of 1 to 20 mm thickness – indoor use.

CHARACTERISTICS

- ▶ for all types of parquet and other wooden floors
- ▶ for tiles and coverings
- ▶ concentrated load and abrasion resistant
- ▶ for use on heated screeds
- ▶ ready for foot traffic after 4 hours
- ▶ suitable for machine application
- ▶ easy to apply

SCOPE OF USE

Ceresit CN 72 is used for leveling cement and anhydrite subfloors before installing ceramic tiles, all types of wooden floors (parquet, glued laminated boards, mosaic) and under floor panels and all kinds of floor coverings, e.g. carpet, cork, PVC. It can be used inside buildings, in rooms not exposed to permanent moisture: in warehouses, workshops, production halls, garages, attics, in utility rooms, etc. The mortar CN 72 can be also used as a wearing layer, thickness from 6 to 20 mm. In the case of substrates exposed to high operational loads: mechanical and chemical, the CN 72 floor should be coated, depending on the type of the load, with Ceresit CF 43 epoxy resin paint or Ceresit CF 37 epoxy resin thin coat. The CN 72 can be used on screeds with heating floor system. In special cases it is possible to use CN 72 in a thickness of 1 mm to smooth out porous screed surfaces. Such application is possible only when the floor will not be subject to high loads and if there are no heavy-duty coatings applied on it, e.g. resin floors. In other case use CN 72 in thickness from 2 mm.

SUBSTRATE PREPARATION

The substrates must comply with the currently applicable standards and regulations. They must be clean, crack-free, firm, dry and free from substances that may impair adhesion (such as fats, bitumen, dusts): cement screeds (age over 28 days, residual moisture ≤ 2 CM-%), concrete (age above 3 months, residual moisture ≤ 2 CM-%), anhydrite screeds residual moisture $\leq 0,5$ CM-% without floor heating (resp. $\leq 0,3$ CM-% with floor heating), mechanically grinded and vacuumed. Dirt, existing paint coatings, adhesive residues and low strength layers must be completely removed. The use of milling machines or shot blusters is recommended here. Surface cracks in the substrate should be widened, vacuumed and primed with Ceresit CT 17 or CN 94 and



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after 2 hours fill with Ceresit CX 5 fast setting mortar. For large voids, use Ceresit CN 83 quick-hardening mortar. After proper and expert preparation, prime the substrate with a suitable Ceresit primer. For detailed instructions on how to use the Ceresit primers CT 17 or CN 94, please refer to the respective technical data sheets. When the primed surface is still absorbent - the priming operation must be repeated. The priming of the substrate improves the spreading of the CN 72, prevents the removal of water from the mortar and the appearance of air bubbles on its surface.

APPLICATION

To the accurately measured amount of clean, cold water, pour the contents of the package and mix using a slow-rotating drill with a stirrer, until a homogeneous mixture without lumps is obtained. Wait for 2 minutes and again, briefly stir the mortar. Pour the levelling compound on the floor within 20 minutes 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. It is recommended to use at least 2 containers. It speeds up the work and makes it easier to combine poured portions. The CN 72 mortar can be mixed and poured with suitable machine ensuring accurate water dosing and pre-aging time as well as no aeration in compound. In case of work breaks longer

than 20 minutes, rinse the unit and pipes with water. After hardening only mechanical removal is possible.

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.

PLEASE NOTE

Mixing the material with more water than recommended will result in a loss of strength and delamination of the CN 72. Work should be carried out in dry conditions, at ambient temperatures between +5 °C and +25 °C. CN 72 contains cement and mixed with water has an alkaline reaction. 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. The content of chromium VI - below 2 ppm during the product's validity period.

RECOMMENDATIONS


Protect the freshly levelled surface from direct sunshine and draughts in the room. If expansion or building joints are present in the substrate, they should also be transferred in the CN 72 layer. The maximum size of the area limited by expansion joints must not exceed 36 m². When taking the length and width of field, the proportions close to the square should be kept. The ratio of length to field width should not exceed 1:1.5. Expansion joints should also be made in the room thresholds. Around or along the walls, pillars and other

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.

vertical elements, margin joints should be made using, for example, expansion tapes. 4 hours after pouring, you can walk on the floor. Ceramic tiles can be fixed with Ceresit CM mortars after min. 24 hours, and other coverings to be laid after the mortar has dried – not earlier however than after 48 hours. Before proceeding to the laying of impervious coverings, e.g. PVC and wooden floors, the residual moisture content of over the cross section of the screed and levelling compound should be tested using the CM method. Moisture content in the above case can't exceed 2 CM-%. When pouring mortar on cracked, deformable surfaces, it cannot be excluded that there are scratches in the floor and on the surface of rigid floor coverings.

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

	
16 Henkel Polska Operations Spółka z o.o. 02-672 Warszawa, ul. Domaniewska 41 Ceresit CN 72 00201 EN 13813:2003 1488 Polymer modified CT-C30-F7-A22 Cementitious screed material for use internally in buildings in thickness 1-20 mm	
Reaction to fire	A2fl-S1
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C30
Flexural strength	F7
Wear resistance	A22
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

TECHNICAL DATA

Base:	mixture of cements with mineral fillers and modifiers
Mixing ratio:	6l of water for a 25 kg
Application temperature:	+5°C to +25°C
Maturing time:	approx. 5 minutes
Time of use:	up to 25 minutes
Ready for foot traffic:	after 4 hours
Ready laying tiles:	after 24 hours
Ready for other covering:	after 48 hours
Compressive strength:	C30 acc. to PN-EN 13813
Flexural strength:	F7 acc. to PN-EN 13813
Shrinkage:	0,8 mm/m acc. to PN-EN 13813
Abrasion on the Bohm disk:	A22 acc. to PN-EN 13813
Reaction to fire:	class A2fl-s1 acc. to PN-EN 13813
Release of volatile substances:	meets requirements, see Safety Data Sheet
Consumption:	approx. 1.6 kg/m ² for 1 mm layer thickness

The product is compliant with the PN-EN 13813: 2003 standard.



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