

Cementitious levelling compound

UZIN NC 140

Cementitious levelling compound for use in layer thicknesses from 2 to 12 mm.

MAIN APPLICATION FIELD:

- ▶ filling, levelling and smoothing substrates for floor coverings such as textile floor coverings, flexible PVC or CV floor coverings, LVT vinyl floors, linoleum and cork
- ▶ for layers with a thickness of 2 - 12 mm

SUITABLE ON / FOR:

- ▶ cement and anhydrite screeds and concrete
- ▶ old substrates with strongly adhered, waterproof residues of adhesives and levelling compounds.
- ▶ existing ceramic tiles, natural stone, terrazzo, etc.
- ▶ old IC10 and IC15 asphalt screeds
- ▶ magnesia and xylolite screeds (conditionally)
- ▶ screeds made of prefabricated elements, e.g. on gypsum fibre boards
- ▶ floors with water underfloor heating
- ▶ under load conditions with office chair castors according to DIN EN 12 529 (from a layer thickness of 2 mm)
- ▶ light loads in residential and public buildings



PRODUCT BENEFITS/FEATURES:

UZIN NC 140 is a self-levelling, cementitious levelling compound for use on all common building substrates, under textile and resilient floor coverings and ceramic tiles. Suitable for mechanical application (pumping). For indoor use.

- ▶ good flowability
- ▶ very good grindability



TECHNICAL DATA:

Packaging	Paper bag
Pack size	25 kg
Shelf life	9 months
Water quantity	approx. 5.75 litres per 25 kg bag.
Color	Grey
Consumption	Approx. 1.5 kg/m ² /mm of layer thickness
Ideal application temperature	15 °C - 25 °C
Working time	20-40 minutes
Ready for foot traffic	After 4-5 hours*
Ready for covering	After 36 hours*
Minimum application temperature	15 °C on the ground
Fire reaction	A1fl-s1 in accordance with DIN EN 13 501-1

*At a temperature of 20 °C and relative humidity of 65%. See table "Readiness for laying the floor covering".



SUBSTRATE PREPARATION:

The substrate must be solid and stable, without cracks, dry, clean and free from substances that could reduce adhesion. Cement and anhydrite screeds must be sanded and vacuumed. The substrate must be checked in accordance with applicable standards and relevant instructions. Any non-compliance must be reported.

Unstable layers or layers that reduce adhesion must be removed by brushing, sanding, milling or shot blasting. Loose fragments and dust must be thoroughly vacuumed. Depending on the properties of the substrate, use a suitable primer from the UZIN product range. Allow the applied primer to dry.

Follow the instructions in the technical data sheets of the products used in combination with this product.

APPLICATION:

1. Pour approx. 5.75 - 6.25 litres of cold, clean water into a container. Pour the contents of the bag (25 kg) into the water, stirring vigorously until a homogeneous, lump-free liquid is obtained. Use suitable mixers for levelling compounds (e.g. from UZIN).
2. Pour the mixture onto the primed substrate and spread evenly with a smooth trowel or a suitable squeegee for large surfaces. For thicker layers or when using a squeegee, the flow and surface quality can be improved by deaerating the compound with an UZIN spiked roller. If possible, apply the required layer thickness in a single working cycle.

READY FOR COVERING:

Layer thickness	Ready for Covering
3 mm	36 hours*

* At a temperature of 20 °C and relative humidity of 65%

IMPORTANT NOTES:

- ▶ When stored in its original packaging in a dry place, the product retains its properties for at least 9 months. Opened packages should be tightly closed and their contents used as soon as possible.
- ▶ Optimal processing conditions: temperature 15–25°C and relative humidity below 65%. Low temperatures, high humidity and thick layers slow down the drying and setting process, while high temperatures and low humidity accelerate it. In summer, the product should be stored in a cool place and cold water should be used.
- ▶ Structural and wall expansion joints must be taken into account on the poured surface. If necessary, vertical building elements can be separated with UZIN expansion joint tapes to prevent the compound from flowing into the wall expansion joints.
- ▶ For mechanical application, use continuous-operation screw pumps, e.g. m-tec duo mix, P.F.T.-Monojet, etc.
- ▶ Not suitable for use on chipboard and OSB boards.

- ▶ A layer thickness of at least 2 mm is required for loads from chairs on castors. The minimum layer thickness on non-absorbent substrates, e.g. on old screeds with a compact, strongly adhesive, water-resistant adhesive layer, is 2 - 3 mm.
- ▶ If the levelling compound is applied in several layers, the next layer may only be applied after the previous layer has completely dried, which must first be primed with UZIN PE 360 PLUS universal primer. The primer must be completely dry.
- ▶ In the case of unstable, old substrates with multiple layers of adhesive or levelling compound, use gypsum-based levelling compounds such as UZIN NC 110, UZIN NC 112 Turbo or UZIN NC 115.
- ▶ Not suitable for outdoor use or in damp environments.
- ▶ Freshly poured compound must be protected from draughts, sunlight and high temperatures.
- ▶ Layers of cement-based levelling compound applied to soft or sticky substrates are prone to cracking. For this reason, such soft and sticky layers should be removed before levelling, if possible. Leaving such levelling compound layers for too long also promotes the formation of cracks and should therefore be avoided.
- ▶ Do not use as a screed or floor covering. Always use a top covering.
- ▶ Due to the risk of corrosion, levelling compounds must not get between the insulation and the heating pipe. This is particularly important for galvanised steel heating pipes. The insulation may only be cut off after levelling.
- ▶ The generally recognised rules for laying methods and techniques must be observed and the applicable national standards (e.g. PN, EN, DIN, VOB, Ö-Norm, SIA, etc.) must be complied with. The following standards and instructions, among others, are applicable or recommended for special compliance:
 - ▶ DIN 18 356 "Carpet and parquet laying work"
 - ▶ Instruction of the Central Association of German Building Crafts
 - ▶ "Resilient floor coverings, textile floor coverings and parquet flooring on underfloor heating systems"
 - ▶ TKB guideline "Assessment and preparation of substrates for laying floor coverings and parquet"
 - ▶ BEB guideline "Assessment and preparation of substrates"

SEALS OF QUALITY & ECOLABELS:

- ▶ Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- ▶ EMICODE EC 1 PLUS / Very low-emission
- ▶ European Model EPD
- ▶ Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. Regulation (EC) No. 1907/ 2006 (REACH). Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. Use protective gloves. When mixing wear a protective dust-mask. Presents no physiological or ecological risk when fully cured. Basic prerequisites for best possible indoor air quality following floor covering work are conformity to standards of the working conditions, as well as thoroughly dry substrate, primer and smoothing compound.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow to get into drains, sewers or ground. Empty paper packaging is recyclable. Collect waste product, mix with water, allow to harden, then dispose as Construction Waste.