

Cementitious Turbo compound

UZIN NC 880

Rapid repair mortar for filling and smoothing prior to floor covering installation

MAIN APPLICATION FIELD:

- ▶ repairing trowel marks or imperfections on old or new levelling layers.
- ▶ part-levelling and filling of holes in screeds, stairs or substrates with joints.
- ▶ creation of surfaces that are ready for covering.
- ▶ for thicknesses up to 4 mm.

SUITABLE ON / FOR:

- ▶ calcium sulphate or cementitious screeds
- ▶ old screeds or concrete, which may contain old compounds and adhesive residues
- ▶ existing and new P4 - P7 or OSB 2 - OSB 4 boards, screwed or installed floatingly
- ▶ existing ceramic and natural stone coverings, terrazzo or similar
- ▶ existing and new IC 10 and IC 15 mastic asphalt screeds
- ▶ magnesia and xylolite screeds
- ▶ precast screeds, screed boards
- ▶ stair renovation, in connection with UZIN WK 222
- ▶ warm water underfloor heating systems or thin film heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness
- ▶ suitable for residential, commercial and industrial areas, e.g. hospitals, busy shopping malls, etc



CE	
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Uzin Utz AG Dieselstrasse 3 89079 Ulm	
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EN 13813:2002	
Fibre-reinforced cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C20-F7	
Reaction to fire	A2fl-s1
Release of corrosive substances	CT
Compressive strength	C20
Flexural strength	F7

PRODUCT BENEFITS/FEATURES:

UZIN NC 880 is a fine and very fast repair mortar for filling, repairing and levelling of substrates with joints, holes and imperfections. Excellent adhesion, even without a primer, on all common substrates for subsequent installation of floor coverings. Can also be used on stairs, for interior use.

- ▶ no primer needed
- ▶ ready to accept floor coverings after 30 minutes
- ▶ smooth finish, no visible trowel marks
- ▶ plastic bucket with inliner, 2 possible applications

TECHNICAL DATA:

Packaging	foil bag in plastic bucket
Pack size	5 kg
Shelf life	min. 24
Water quantity	1.65 litres per 5 kg bucket
Small quantity dosage	1 kg powder - 330 ml water
Color	grey
Consumption	approx. 1.2 kg/m ² /mm thickness
Ideal application temperature	15 - 20 °C
Working time	5 - 10 minutes*
Ready for foot traffic	after approx. 30 minutes*
Ready for covering	see "Ready for covering"
Minimum application temperature	5 °C at ground level
Fire reaction	A2fl-s1 acc. to DIN EN 13 501-1

*At 20 °C and 65% relative humidity and max. thickness of 4 mm. See "Ready for covering".



EXTENDED APPLICATIONS:

- ▶ low-slump repair mortar for use over old adhesive residues and for smoothing out as a "feather edge" up to 4 mm

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard or notices and report any deficiencies.

Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Due to the high polymer content priming is not necessary on nearly all substrates. On very dense substrates, e.g. coatings or varnished areas, use UZIN PE 630, UZIN PE 280 or UZIN PE 460, gritted. On calcium sulphate screeds or gypsum levelling compounds as well as on very absorbent substrates, use UZIN PE 360.

The datasheets for other used products have to be observed.

APPLICATION:

- Mix the desired quantity of UZIN NC 880 with water. The correct water quantity for 5 kg is 1.65 litres. However, as partial quantities are usually mixed, 330 ml of water have to be used for 1 kg powder. Put cold, clear water into a clean container. Sprinkle in the powder while mixing vigorously until a smooth and lump-free compound is obtained. Mix only as much mortar as can be applied within the working time of approx. 5 - 10 minutes*.
- Pour the compound onto the substrate and spread evenly with a smoothing trowel to the desired thickness. Leave the compound for approx. 15 minutes* and then rework or smooth. Essential layer on non absorbent substrates is min. 1 mm.
- Ready to accept floor covering after 30 minutes* on absorbent substrates, after 60 minutes* on dense substrates. For subsequent installation of wood flooring, cork or laminate, the drying time is approx. 12 hours*.

* At 20 °C and 65% relative humidity

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
1 mm	1.2 kg/m ²	5 kg / 1 m ²
4 mm	4.8 kg/m ²	5 kg / 1m ²

READY FOR COVERING:

Planned Foundation	Layer Thickness	Ready for Covering
Absorbent substrates	up to max. 4 mm	after approx. 30 minutes*
Non absorbent substrates	up to max. 4 mm	after approx 60 minutes*
Absorbent or non absorbent substrates when installing wood flooring, cork or laminate	up to max. 4 mm	after approx. 12 hours*

*At 20 °C and 65% relative humidity.

IMPORTANT NOTES:

- ▶ A shelf life of 24 months when stored in dry conditions, in the original packaging. The setting and drying times may become longer if the storage time is prolonged. The properties of the cured material are not affected. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ Best applied between 15 - 20 °C and relative humidity below 65%. Low temperatures, high humidity, little air circulation, dense substrates and large thickness will delay the setting and drying time. Whilst high temperatures and low humidity, strong air circulation and absorbent substrates will accelerate setting, drying and readiness for covering. In summer, store in cool conditions and use cold water.
- ▶ Expansion, movement and perimeter joints in the substrate must be reflected through to the surface. Fit UZIN Foam Expansion Strips to any adjacent, vertical structures to prevent the ingress of the compound into the joints.
- ▶ Minimum thickness on dense substrates is 1 mm.
- ▶ Do not use for a full area application below wood flooring. In that case, use UZIN NC 174.
- ▶ Do not use in exterior or wet areas.
- ▶ Do not use as a screed or as a wear surface, a surface covering must always be applied.
- ▶ Compounds must not enter between insulation and heating pipes because of the risk of corrosion. This applies in particular for heating pipes made from galvanized steel. Insulation may only be cut off after smoothing.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- ▶ Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- ▶ EMICODE EC 1 PLUS / Very low-emission

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.