Product Datasheet

Cementitious bonded thick layer levelling compound

UZIN NC 195

Self smoothing thick layer levelling compound for the installation of bonded substrates with thicknesses from 3 to 40 mm

MAIN APPLICATION FIELD:

- Top coat for the UZIN Turbolight®-System, max. point load: 4 kN (see Technical Data Sheet).
- Certified in conjunction with the UZIN Turbolight® system for fire resistance class F60
- For thicknesses from 3 to 40 mm.

SUITABLE ON / FOR:

- calcium sulphate or cementitious screeds, concrete
- old screeds or concrete, which may contain old compounds and water-proof adhesive residues
- existing ceramic and natural stone coverings, terrazzo or similar
- embedding of 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

CE

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Uzin Utz SE Dieselstrasse 3 89079 Ulm	
13	
01/01/0026.02	
EN 13813:2002	
Cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C30-F7	
Reaction to fire	A1fl
Release of corrosive substances	CT
Compressive strength	C30
Flexural strength	F7

PRODUCT BENEFITS/FEATURES:

UZIN NC 195 is a self levelling, fast hardening, cementitious thick layer levelling compound for filling, smoothing and levelling of substrates. For creating absorbent substrates for floor covering including tiles and natural stone coverings. Is also used as the top coat for the UZIN Turbolight®-System. For interior use.

- excellent flow and pumpability
- quickly ready for foot traffic and floor covering
- low stress, even at higher thicknesses
- high strength

TECHNICAL DATA:

Packaging	paper bag, big bag (on request)
Sizes	25 kg, 1000 kg
Shelf life	min. 9 months
Water quantity	5.0 - 5.5 litres per 25 kg bag
Color	dark grey
Consumption	approx. 1.7 kg/m²/mm thickness
Usage Turbolight®-System	approx. 25 kg/m²
Working time	20 - 30 minutes*
Ready for foot traffic	after 2 - 3 hours*
Ready for covering	see "Ready for covering"
Minimum application temperature	15 °C at ground level
Flow spread ring	approx. 130 mm ± 5 mm
Thermal conductivity	1,1 W/mK
Fire reaction	A1$_{fl}$ acc. to DIN EN 13 501-1

*At 20 °C and 65% relative humidity.

GEV-EMICODE EC 1 PLUS very low emission

LEED® CONTRIBUTING PRODUCT

EPD

UZIN NC 195

EXTENDED APPLICATIONS:

- creation of smooth and coarse installation surfaces for textile and resilient floor coverings (fine patching may be necessary), ceramics, natural stone and wood flooring.

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. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Put 5 - 5.5 litres of cold, clear water into a clean container. Sprinkle in the contents of the bag (25 kg) while mixing vigorously until a smooth and lump-free compound is obtained. Use a mixing device fitted with a UZIN Mixing Paddle.
2. Pour the compound onto the substrate and spread evenly with a smoothing trowel or a screed rake. The flow and surface can be improved by removing air using a spike roller. If possible, apply to the desired thickness in one coat.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
3 mm	5.1 kg/m²	25 kg / 4.9 m²
5 mm	8.5 kg/m²	25 kg / 2.9 m²
10 mm	17.0 kg/m²	25 kg / 1.4 m²

EXTENSION:

Layer Thickness	Ideal additive amount
20 - 40 mm	50% coarse sand 2.5 (12.5 kg sand / 25 kg powder)

READY FOR COVERING:

Planned Top Layer	Layer Thickness	Ready for Covering
Textile and resilient floor coverings, natural stone	each 3 mm	approx. 18 hours*
Ceramic floor coverings	each 10 mm	approx. 18 hours*

*At 20 °C and 65% relative humidity.

IMPORTANT NOTES:

- A shelf life of 9 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 - 25 °C and relative humidity below 75%. 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.
- Can be pumped with continuous, forced-action mixer-pumps, e.g. from manufacturers such as m-tec, P.F.T. and others.
- When applying in several coats, allow the compound to dry completely. Then apply UZIN PE 360 PLUS as a intermediate primer and leave to dry, before applying subsequent coats.
- For thicknesses above 10 mm and on moisture-sensitive substrates, use epoxy primers, such as UZIN PE 460, gritted.
- Protect freshly applied areas from draughts, direct sunlight and sources of heat. Cement-based compounds tend to form cracks on soft or tacky substrates. These soft and tacky layers must therefore be removed as much as possible before applying the compound. Leaving such compounds open for too long also promotes such cracking and should therefore be avoided.
- There may occur fine cracks in the compound during the drying. To keep this building of cracks to a minimum, it is recommended to prime with UZIN PE 400 2 days after installation if the compound is not covered within 7 days.
- 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
- European Model EPD
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

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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. 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.

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