Product Datasheet

Industrial Base

UZIN NC 750

Self smoothing, mineral coating with coarse aggregate for creation of bonded substrates with thicknesses from 5 to 50 mm

MAIN APPLICATION FIELD:

- smoothing and levelling of substrates to produce a coatable finish in commercial areas with moderate exposure
- base leveller for the subsequent installation of fine aggregated self levelling compounds
- thicknesses from 5 to 50 mm
- AR0.5 abrasion resistance less than 1 mm impact test

SUITABLE ON / FOR:

- calcium sulphate or cementitious screeds, concrete
- old screeds or concrete, which may contain old compounds and adhesive residues
- existing and new P4 - P7 or OSB 2 - OSB 4 boards, screwed
- existing ceramic and natural stone coverings, terrazzo or similar
- magnesia and xylolite screeds
- precast screeds, screed boards
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness
- suitable for commercial areas

CE

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Uzin Utz SE Dieselstrasse 3 89079 Ulm	
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EN 13813:2002	
Cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C25-F5-AR0,5	
Reaction to fire	**A1fl**
Release of corrosive substances	**CT**
Compressive strength	**C25**
Flexural strength	**F5**
Wear resistance BCA	**AR0,5**

PRODUCT BENEFITS/FEATURES:

UZIN NC 750 is a cementitious base levelling compound with coarse aggregate for optimum thickness from 5 - 50 mm. Economical subfloor preparation prior to the installation of UZIN levelling compounds or coatings for industrial or commercial areas. For interior use.

- high wear resistance
- good flow
- low stress
- good absorbency

TECHNICAL DATA:

Packaging	paper bag, Big Bag (on request)
Pack size	20 kg, 1000 kg
Shelf life	min. 6 months
Water quantity	3.4 - 3.6 l per 20 kg
Color	grey
Consumption	ca. 1,7 kg/m²/mm Schichtdicke
Working time	20 - 40 minutes*
Ready for foot traffic	after approx. 4 hours*
Ready for covering	after 72 hours*
Minimum application temperature	15 °C at ground level
Loadable	after 3 days*
Abrasion resistance	AR 0.5 according DIN EN 13 813
Fire reaction	$A1_{fl}$ according to DIN EN 15 501-1

*At 20 °C and 65% relative humidity and max. thickness of 15 mm.

GEV-EMICODE EC 1 PLUS very low emission

EPD

LEED® CONTRIBUTING PRODUCT

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UZIN NC 750

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.

The substrates strength must be appropriate regarding the later arising exposure.

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. Steel trowel finished concrete has to be shot-blasted until a proper surface profile is achieved. Thoroughly vacuum loose material and dust. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate, as well as the applied layer thickness of the industrial base. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Put 3.4 - 3.6 litres of cold, clear water into a clean container. Sprinkle in the contents of the bag (20 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, at least 5 mm.

SURFACE TREATMENT:

UZIN NC 750 has a porous surface and is susceptible to potential staining and contamination if left uncoated. Therefore the dry surface must be sealed with a suitable sealer.

Due to variations in naturally occuring materials, tones and shading can vary significantly. During drying, cracks may appear in the compound. No guarantee can be made of the ultimate aesthetic appearance of the finished floor.

Furthermore foot-wiping areas and protective polycarbonate mats are recommended in areas exposed to chair castors.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
5 mm	8.5 kg/m²	20 kg / 2.3 m²
10 mm	17.0 kg/m²	20 kg / 1.1 m²

Ready to accept coatings: after 3 - 5 days

COATABLE:

thickness	coatable
up to 50 mm	after 36 to 72 hours*

*At 20 °C and 65% relative humidity.

IMPORTANT NOTES:

- A shelf life of 6 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 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.
- For thicknesses over 5 mm foam expansion strips are necessary in general. On wooden substrates the foam expansion strip must be removed completely after installation.
- Can be pumped with continuous, forced-action mixer-pumps, e.g. from manufacturers such as m-tec, P.F.T. and others.
- The substructure of wooden floors must be dry to prevent damage due to damp through rotting or mould formation. Adequate ventilation or rear-ventilation must be provided especially when installing impermeable flooring, e.g. by removing the existing expansion strip or by installing special skirting with vent openings.
- 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 30 mm and on moisture-sensitive substrates, use epoxy primers, such as UZIN PE 460, gritted.
- All cementitious compounds can be susceptible to micro cracking during the curing process. To keep micro cracks to a minimum, the compound must be coated with a suitable product earliest after 3, latest up to 7 days after installation.
- Please note that UZIN NC 750 has a porous surface and is susceptible to potential staining and contamination if left uncoated.
- Due to variations in naturally occuring materials, tones and shading can vary significantly. No guarantee can be made of the ultimate aesthetic appearance of the finished floor.
- Do not use in exterior or wet areas.
- 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.

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- 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. 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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