

## DENLAKS UZIN NC-145

Version :2;ÜBF-P102

Published Date:03/2016

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### DESCRIPTION

Self-levelling cement smoothing compound for levelling and smoothing of interior surfaces.

Suitable for / on

- Producing level, fully prepared surfaces with good absorbency for textile and PVC floor coverings
- Low wear in residential and commercial areas, e.g. in residential dwellings
- Hot water underfloor heating
- Loads from chair castors according to DIN EN 12 529 from 1 mm compound thickness
- Cementitious screeds, calcium sulphate screeds or concrete
- With old waterproof substrates waterproof with adhesive or compound residues adhering to them

### PRODUCT PROPERTIES/BENEFITS

Plasticised dry powder cement mortar with finely graded fillers. When mixed with water, produces a hydraulic-setting smoothing compound with good flow properties and high coverage.

Composition: Special cements, mineral fillers, polyvinylacetate copolymers, flow agents and additives.

- For thickness up to 5 mm
- Good flow characteristics
- Very easy to sand
- GISCODE ZP 1/low chromate content
- EMICODE EC 1 R PLUS/Very low-emission PLUS

### TECHNICAL DATA

Packaging	:paper sack
Packsize	:25 kg
Shelf life	:min. 6 monts
Water quantity required	:approx. 6.0 litres per 25 kg sack
Colour	:grey
Consumption: approx	:1.5 kg /m <sup>2</sup> per mm of thickness
Working temperature	:min. 15 °C at floor level
Working time	:20 – 40 minutes*
Set to foot traffic	:after 3 hours*
Ready for covering	:after 24 hours*
Flexural Strength	:F4 N/mm <sup>2</sup> (28 days) EN 13813
Compressive Strength	:C20 N/mm <sup>2</sup> (28 days) EN 13813
Fire classification	: A1fl acc. to EN 13 501-1

\*At 20 °C and 65 % relative humidity and at 3 mm thickness.

# Product Data Sheet



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### SUBSTRATE PREPARATION

The substrate must be sound, free from cracks, dry, clean and free from materials which would impair adhesion. Test the substrate according to applicable standards and report any deficiencies. Brush, abrade, grind or shot-blast any weak surface sections or areas which will not accept adhesion. Thoroughly vacuum the surface and prime as follows:

Substrate /Use	UZIN Primer	Type
Cement screed	UZIN PE 360	D
Adhesive residue, water-resistant	UZIN PE 260	D
Adhesive residue, water-soluble	UZIN PE 460	RE
Damp cement screeds, concrete	UZIN PE 460	RE
Strengthening weak surfaces	UZIN PE 460	RE

D = Dispersion, RE = 2-component Epoxy Resin

Allow primers to dry thoroughly. Always grit-blind 2-Component Epoxy Primer-Sealer UZIN PE 460. Refer to the Product Data Sheets for other products used.

### APPLICATION

1. Put approx. 6.0 litres of cold clean water into a clean container. Sprinkle in the sack contents (25 kg) whilst stirring briskly and mix to a thick-fluid, lump-free consistency. Use a drill or mixer fitted with a UZIN Mixing Paddle. Do not mix too thinly.
2. Pour the mix onto the subfloor and distribute evenly with a smoothing trowel or rake. Where possible, apply to the desired thickness in one application. Flow and surface finish can be improved by using the UZIN Spike Roller on the wet compound.
3. Drying time at 20 °C/68 °F is approx. 24 – 48 hours. Abrading using 40 – 60 grit sanding paper improves both the surface quality and the absorbency.

#### Consumption

Thickness	Consumption	Approx. coverage per 25 kg sack
1 mm	1.5 kg /m <sup>2</sup>	17 m <sup>2</sup>
2 mm	3.0 kg /m <sup>2</sup>	8 m <sup>2</sup>
3 mm	4.5 kg /m <sup>2</sup>	5 m <sup>2</sup>
4 mm	6.0 kg /m <sup>2</sup>	4 m <sup>2</sup>

### IMPORTANT NOTES

- Minimum shelf-life 6 months in original packaging and in dry storage conditions. Tightly seal opened packaging and use the contents as quickly as possible.
- Best applied at 18 – 25 °C/64 – 77 °F, floor temperature above 15 °C/59 °F and relative humidity below 75 %. Low temperatures and high humidity delays setting, drying and readiness for covering. High temperatures shorten the working time, therefore use the coldest possible mixing water during the summer.
- Apply min. 1 mm thickness for castor-resistance and min. 2 mm thickness on dense surfaces.
- For applications in several layers, continue onto the still damp first layer as soon as it is set to accept traffic. Alternatively, allow the first layer to dry for 24 hours, prime with UZIN PE 60 or UZIN PE 360 and leave for 3 – 4 hours before applying the next layer.
- Protect freshly smoothed surfaces from draughts, direct sunlight and influences of heat.
- The following notices and standards are applicable and especially recommended: DIN 18 365 "Floor Covering Work".

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### PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT

Contains cement low in chromate acc. Directive 2003/53/EC. 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. When mixing wear a protective dust-mask. Use protective gloves.

Presents no physiological or ecological risk when fully cured.

Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds(VOC).

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 dispersal into drains, sewers or ground. Empty paper bags are recyclable. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.