

### PRODUCT DATA SHEET

#### Smoothing Compound

## UZIN NC 160 ökoLine®

UZIN ÖkoLine®: A system of tested and approved installation materials based on the principles of neutral odour and clean indoor air (see "Protection of the Workplace and the Environment").

#### Description:

Very low emission, self-levelling, cement compound for smoothing, levelling and repairing substrates in interior locations.

#### Suitable for / on:

- > producing level, prepared surfaces with good absorbency in areas with high demands, e.g. for textile coverings, PVC or cushioned vinyl, PVC design flooring, linoleum and cork
- > cement screeds
- > calcium sulphate screeds
- > magnesia and stone-wood screeds
- > concrete
- > existing surfaces with well-bonded, waterproof residues of adhesives and levelling compounds
- > normal-to-heavy wear areas in domestic and commercial locations
- > underfloor heating and exposure to castor wheels in accordance with DIN EN 12 529



<b>CE</b>	
UZIN UTZ AG Dieselstra e 3 D-89079 Ulm • 06	
<b>EN 13 813 CT C30 F7</b> Cementitious levelling compound for substrates in interior locations	
Fire resistance	<b>A 1fl</b>
Compressive strength	<b>C 30</b>
Tensile strength	<b>F 7</b>

ÖKOLINE



#### Product Properties / Benefits:

Plasticised dry powder mortar mix with special fine aggregate. When mixed with water, produces a hydraulic setting, high quality smoothing compound with excellent application and usage properties.

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

- > For thickness up to 20 mm
- > Exceptional flow properties and pumpable
- > Rapid setting
- > Very low stress
- > High strength
- > Low chromate content
- > EMICODE EC 1 R/Very low emission

#### Technical Data:

Packaging:	paper sack
Packsize:	25 kg
Shelf life:	min. 6 months
Required water quantity:	6.0 – 6.5 litres per 25 kg sack
Colour:	grey
Consumption:	approx. 1.4 kg / m <sup>2</sup> per mm of thickness
Working temperature:	min. 15 °C / 59 °F
Working time:	20 – 30 minutes*
Set to foot traffic:	after 1 – 2 hours*
Ready for covering:	after approx. 24 hours*

\*At 20 °C / 68 °F and 65 % relative humidity and 3 mm thickness.

### Substrate Preparation:

The substrate must be sound, dry, free from cracks, clean and free from materials that would impair adhesion.

Cement and calcium sulphate screeds must be abraded and vacuumed as a chargeable operation, either by the screed installer as a finishing process, or as a special service by the flooring installer.

Thoroughly vacuum to remove all loose material and dust.

Select suitable primers from the UZIN Product Guide according to the type and condition of the substrate.

Always allow primers to dry thoroughly. Always grit-blind 2-Component Epoxy Primer-Sealer (UZIN PE 460 etc.). Refer to the Product Data Sheets.

### Application:

1. Put 6.0 – 6.5 litres of cold clean water into a clean container. Sprinkle in the sack contents (25 kg) whilst stirring vigorously and mix to a viscous, lump-free consistency. Use a drill or mixer fitted with a UZIN Mixing Paddle. Do not mix too thin. Ensure adequate mixing time.
2. Pour out the mix onto the primed subfloor and distribute evenly with a smoothing trowel or rake. Where possible, apply to the desired thickness in one application. To improve flow and surface finish, remove air from the still-wet compound using the UZIN Spike Roller.
3. Ready for covering after approx. 24 hours per 3 mm of thickness. According to requirements and type of surface covering, rub down the dry compound with a 36 – 60 grade sanding pad.

### Consumption:

Thickness	Consumption	Coverage per 25 kg sack
1 mm	approx. 1.4 kg / m <sup>2</sup>	approx. 18 m <sup>2</sup>
3 mm	approx. 4.2 kg / m <sup>2</sup>	approx. 6 m <sup>2</sup>
6 mm	approx. 8.4 kg / m <sup>2</sup>	approx. 3 m <sup>2</sup>
9 mm	approx. 12.6 kg / m <sup>2</sup>	approx. 2 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.
- > Optimum application conditions are 15 – 25 °C / 59 – 77 °F and relative humidity below 75%. Low temperatures and high humidity will delay, whilst high temperatures and low humidity will accelerate the setting, drying and readiness for covering. In summer, store in cool conditions and use the coldest possible mixing water.
- > For resistance to castor wheels, minimum 1 mm thickness – on dense surfaces, e.g. mastic asphalt, apply min. 2 mm thickness.
- > For thickness above 5 mm, fit UZIN expansion strips to all structures.
- > Expansion-, movement- and wall-connection- joints must be reflected to the surface. Where necessary, fit UZIN expansion strips to any structures to avoid ingress of compound into connection joints.
- > Pumpable with continuous feed mixer-pumps, e.g. of the type P.F.T. – Monojet, Berö-Tinu, etc.
- > For applications in several coats, allow to become completely dry, prime with UZIN PE 360 and, after 3 – 4 hours, apply the next coat.
- > In thick coats on moisture sensitive or weak substrates (e.g. calcium sulphate screeds or old adhesive residues), it is preferable to use epoxy resin primers such as UZIN PE 460.
- > Protect freshly laid surfaces from draughts, direct sunlight and sources of heat.
- > Test the substrate in accordance with applicable standards and notices:
  - DIN 18 356 "Working with floor coverings"
  - technical information 2/1990 issued by the Federal Association for Screeds and Coverings (BEB) "Assessment and preparation of surfaces of anhydrite flow-screeds"
  - BEB publication "Assessment and preparation of substrates" 02/2002

### Protection of the Workplace and the Environment:

Irritant. Contains cement which produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, consult a doctor. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

### Disposal:

Dispose of empty packaging according to local regulations. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.