

Light Commercial Surfacers

UZIN NC 145

General-purpose, self-smoothing and levelling compound

Description:

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

Especially suitable for:

- ▶ Standard smoothing work and normal wear in domestic and light commercial locations
- ▶ Use on underfloor heating systems and for castor-resistance according to DIN EN 15 259
- ▶ Producing level, fully prepared surfaces with good absorbency for textile and PVC floor coverings
- ▶ Use on cement screeds
- ▶ Use on existing surfaces with well-bonded residues of adhesive and smoothing compound

Product Properties/Benefits:

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



CE	
UZIN UTZ AG Dieselstraße 3 D-89079 Ulm 06	
EN 13 813 CT-C16-F4 Cementitious levelling compound for substrates in interior locations	
Fire resistance	A 1 fl
Compressive strength	C 16
Tensile strength	F 4



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

- ▶ For thickness up to 4 mm
- ▶ Excellent flow properties
- ▶ Rapid setting and readiness for covering
- ▶ Low in stresses
- ▶ High strength
- ▶ Excellent absorbency
- ▶ Low in chromate

Technical Data:

Packaging:	paper sack
Pack-size:	25 kg
Shelf-Life:	min. 6 months
Water quantity required:	approx. 6.0 litres per 25 kg-Sack
Powder colour:	grey
Consumption:	approx. 1.5 kg / m ² per mm of thickness
Coverage:	approx. 17m ² (25 kg) at 1 mm
Working temperature:	min. 15 °C / 59 °F at floor level
Working time:	20 – 30 minutes*
Set to traffic:	after 3 – 4 hours*
Ready for covering:	after 24 – 48 hours*

* Under normal conditions at 20 °C / 68 °F and 3 mm thickness.

Subfloor 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 to remove loose material and dust. According to type and condition of the subfloor, select a suitable primer from the UZIN Product Guide.

Allow primers to dry thoroughly. Refer to the Product Data Sheets.

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. Poor air-flow and lower temperatures will significantly affect drying times.

Consumption:

Thickness	Consumption	Coverage per 25 kg sack
1 mm	1.5 kg/m ²	17 m ²
2 mm	3.0 kg/m ²	8 m ²
3 mm	4.5 kg/m ²	5 m ²
4 mm	6.0 kg/m ²	4 m ²

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 standards and notices are applicable and especially recommended: BS 8203, BS 8204, BS 5325/DIN 18 365 "Floorcovering Work"/Technical Information 2/1990 of the Screed and Flooring Federal Association "Assessment and Preparation of the Surface of Anhydrite Flow Screeds".

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.