PRODUCT DATA SHEET

Levelling Compound

UZIN NC 150 S ÖkoLine®

Self-levelling, cement compound for thickness up to 10 mm

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").

CE
UZIN UTZ AG
Dieselstraße 3
D-89079 Ulm
06
EN 13813 CT–C25–F6
Cementious levelling compound for substrates in interior locations

Fire resistance	A 1fl
Compressive strength	C 25
Tensile strength	F 6

ÖKOLINE

C25 DIN EN 13813 F6

GEV-EMICODE EC1 very low emission

Description:

Very low emission, self-levelling, cement compound for levelling and smoothing work on interior surfaces.

Suitable for / on:

- producing level, prepared surfaces with good absorbency for textile and resilient floor coverings such as, e.g. carpets, PVC or cushioned vinyl, PVC design flooring or linoleum
- levelling work prior to installation of ceramics and natural stone flooring
- cement screeds, calcium sulphate screeds, concrete, terrazzo or new mastic asphalt (for thickness up to 5 mm) etc.
- magnesia and stone-wood screeds, dry screeds
- existing substrates with well bonded, waterproof residues of adhesives and levelling compounds
- efficient and economical standard levelling work
- normal wear in domestic and commercial locations
- warm water underfloor heating systems and for exposure to castor wheels in accordance with DIN EN 12 529
- not suitable as a levelling compound on chipboard and OSB board

Product Properties / Benefits:

Plasticised dry powder mortar. When mixed with water, produces a rapid setting flow-mortar with excellent flow properties, high productivity and the right range of properties for all, cost-effective, standard levelling work.

The special advantage of using the self-levelling compound, UZIN NC 150 S ÖkoLine®, lies in its ideal combination of strength development and absorbency and that it is easy to rub down.

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

- For thickness up to 10 mm
- Very good flow properties and pumpable
- Low stress
- Good strength
- Easy to rub down
- Very good absorbency
- Low chromate content
- EMICODE EC 1 R / Very low emission

Technical Data:

Packaging:	paper sack
Packsize:	25 kg
Shelf life:	min. 6 months
Water ratio:	6.0 – 6.5 litres per 25 kg sack
Colour:	grey
Consumption:	approx. 1.5 kg / m² pro mm of thickness
Working temperature:	min. 15 °C / 59 °F at floor level
Working time:	20 – 40 minutes*
Set to foot traffic:	after approx. 2 – 3 hours*
Ready for covering:	after approx. 24 hours*

*At 20 °C / 68 °F and 65 % relative humidity at 3 mm thickness.
See also "Application", point 3.

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UZIN NC 150 S ÖkoLine®

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, as a special and chargeable service, be abraded and vacuumed, either as a finishing treatment by the screed installer, or as a chargeable special process by the floor covering installer.

Test the substrate in accordance with applicable standards and notices and report any deficiencies.

Brush, abrade, grind or shot-blast to remove weakly bonded or soft surface areas.

Thoroughly vacuum off all loose material and dust.

Select a suitable primer from the UZIN Product Guide according to surface type and condition.

Allow primers to dry thoroughly. Always grit-blind reaction resin primers such as, e.g. 2-Component Epoxy Primer-Sealer UZIN PE 460. Refer to the Product Data Sheets for the products used.

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 blend to a viscous liquid, lump-free mix. Use a drill with the UZIN levelling compound mixer attachment. Do not mix too thin.
2. Pour out the mix onto the primed surface and distribute evenly using a smoothing trowel or the UZIN Surface Rake. For thicker coats, and when using the rake applicator, the flow and surface finish can be improved by removing air with the UZIN Spike Roller. Where possible, apply to the desired thickness in one application. Minimum 1 mm thickness for exposure to castor wheels. On non-absorbent surfaces, apply a 2 – 3 mm thickness.
3. Ready for installation of textile, resilient and natural stone coverings after approx. 24 hours per 3 mm thickness*. Ready for installation of ceramic tiling after approx. 24 hours* (max. thickness of 10 mm). Abrading with 36 – 60 grade grit-paper improves the surface finish, visual appearance and absorbency.

* At 20 °C / 59 °F and 65 % relative humidity.

Consumption:

Thickness	Consumption	Approx. coverage per 25 kg sack
1 mm	1.5 kg / m²	17 m²
3 mm	4.5 kg / m²	6 m²
5 mm	7.5 kg / m²	3 m²

Important Notes:

- Shelf life minimum 6 months in original packaging when stored in dry conditions. Tightly and carefully reseal opened packaging and use the contents as quickly as possible.
- Optimum installation conditions are 15 – 25 °C / 59 – 77 °F and relative humidity below 75 %. Low temperature, high humidity and greater thickness 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 cold water.
- Expansion-, movement- and connection- joints must be reflected through the covering. Where necessary, fit UZIN Expansion Strips to any structures to avoid the mix flowing into connection joints.
- Can be pumped with continuous mixer-pumps, e.g. m-tec duo mix, P.F.T.-Monojet, etc.
- When applying in several coats, allow each to dry completely, prime with Universal Primer UZIN PE 360 and, when dry (approx. 1 hour*), apply the next coat.
- For greater thickness up to 10 mm, the mix can be extended up to 50 % (equal to 12.5 kg) of dry UZIN Sand Aggregate, grade 1 – 2.5 mm.
- For thickness of 5 – 10 mm on moisture-sensitive or soft surfaces (e.g. calcium sulphate screeds or old adhesive residues), epoxy resin primers, such as gritted 2-Component Epoxy Primer-Sealer UZIN PE 460, should be selected.
- With mastic asphalt thickness up to 5 mm is allowed.
- Protect freshly prepared surfaces from draughts, direct sunlight and sources of heat. On soft or sticky surfaces, cement compounds are prone to cracking. On existing surfaces, therefore, old adhesive residues and soft or sticky layers must be removed as far as possible before applying primers and smoothing compounds. Also, leaving smoothing compounds uncovered for too long can promote cracking and should be avoided.
- The following standards, regulations and notices are applicable and especially recommended:
  – DIN 18 365 "Working with floor coverings"
  – DIN 18 352 "Working with large and small format tiles"
  – TKB publication "Assessment and preparation of surfaces for floor covering and wood flooring installations"
  – BEB publication "Assessment and preparation of surfaces"

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.

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