PRODUCT DATA SHEET

Smoothing compound

UZIN NC 150

Cementitious smoothing compound for thicknesses up to 10 mm

Applications:

Smoothing compound for work on standard construction substrates. For the subsequent installation of textile and resilient floor coverings. Pumpable, for interior application.

Suitable for:

- Subsequent installation of textile and resilient floor covering such as textile flooring, PVC/CV floor covering, luxury floor covering, linoleum, cork
- Normal wear in residential and commercial areas, e.g. in office buildings, apartment buildings, etc.
- Hot water underfloor heating
- Loads from chair castors according to DIN EN 12 529 from 1 mm compound thickness

Suitable for use on:

- Cementitious screeds, calcium sulphate screeds or concrete
- Substrates with well-bonded residues of adhesives and smoothing compounds
- Existing ceramic and natural stone coverings, Terrazzo or similar
- New (and dependent on age) old mastic asphalt IC 10 and IC 15
- Magnesia and xylolite screeds
- Precast screed, gypsum fibre boards

CE

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Uzin Utz AG
Dieselstraße 3
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EN 13 813:2002
Cementitious levelling compound for substrates in interior locations
EN 13 813: CT–C25–F5

Reaction to fire	$A1_{fl}$
Release of corrosive substances	CT
Compressive strength class	C 25
Flexural strength class	F 5

GEV-EMICODE EC 1 PLUS very low emission

0736

Product benefits / features:

UZIN NC 150 is quick setting with excellent flow properties and is easy to rub down. It also economical and produces a smooth and uniform surface appearance.

Composition: Special cements, mineral aggregates, redispersible polymers and additives.

- Very good flow characteristics
- Great surface finish
- Easy to sand
- Low chromate content according to EU-VO 1907/2006 (REACH)
- EMICODE EC 1 R PLUS / Very low-emission

Technical data:

Packaging:	paper bag
Pack size:	20 kg
Shelf life:	min. 9 months
Required water quantity:	4.8 – 5.2 litres per 20 kg bag
Colour:	grey
Coverage:	approximately 15 m^2 at 1 mm per bag
Minimum working temperatures:	10 °C at ground level
Ideal working temperature:	15 – 25 °C at ground level
Working time:	20 – 40 minutes*
Set to foot traffic:	After 2 – 3 hours*
Ready for covering:	after approx. 24 hours*
Fire classification:	$A1_{fl}$ acc. to DIN EN 13 501-1

* At 20 °C and 65 % relative humidity. See also "Ready for covering".

UZIN | A brand of Uzin Utz Group

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UZIN NC 150

Substrate preparation:

The substrate must be sound, load-bearing, dry, free from cracks, clean and free from materials (dirt, oil, grease), that would impair adhesion. Cement and calcium sulphate screeds must be abraded and must be abraded and vacuumed. Test the substrate in accordance with applicable standards or notices and report any deficiencies.

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. Thoroughly vacuum loose material and dust. Use a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. Allow any primers that are applied to dry completely.

Refer to the product data sheets for other products used.

Application:

1. Pour 4.8 – 5.2 litres of cold, clean water into a clean container. Sprinkle in contents of sack (25 kg) while thoroughly stirring at the same time and mix to form a thick lump-free consistency. Use a drill or mixer fitted with a UZIN Mixing Paddle.
2. Pour out the mix onto the substrate and distribute evenly with a smoothing trowel or the UZIN Screed Rake, notch size R 2. The flow and surface can be improved by removing air using the UZIN Spike Roller. Where possible, apply to the desired thickness in one coat.

Consumption information:

Thickness	Approx. coverage per 20 kg sack
1 mm	15 m²
3 mm	5 m²
5 mm	2.5 m²

Readiness for covering:

Thickness	Readiness for covering
3 mm	24 hours*
5 mm	48 hours*

*At 20 °C and 65 % relative humidity.

Important notes:

- Minimum shelf-life 9 months in original packaging and in cool and dry storage conditions. Over time the length of storage may also cause an extension to the setting and drying time. The performance of the cured material is not affected. Tightly seal opened packaging and use the contents as quickly as possible.
- Optimum conditions at 15 – 25 °C and relative humidity below 65 %. Low temperatures, high humidity, high thickness, non-absorbent or blocked substrates will delay setting, drying and readiness for covering. High temperatures, low humidity and absorbent substrates accelerate setting, drying and readiness for covering. In summer, store in cool conditions and use cold water.
- Expansion, movement and wall connection joints resulting from the substrate must be taken up. Fit UZIN Foam Expansion Strips to any adjoining rising structures to prevent ingress of the compound into the connection joints. Expansion strips are generally necessary for thicknesses over 5 mm.
- Pumpable with continuously mixing screw pumps, e.g. from m-tec, P.F.T., and others.
- Not suitable for use on chipboard and OSB panels.
- Minimum thickness for resistance to castors is 1 mm. On non-absorbent surfaces, such as old screeds with a full cover of old, waterproof adhesive residues, apply 2 – 3 mm.
- When applying in several coats, allow compound to dry completely, prime with UZIN PE 360 and when this is dry apply the next coat. The second coat must not exceed the thickness of the first one.
- On weak older substrates with several layers of adhesive or levelling compound the use of gypsum-based smoothing compounds such as UZIN NC 110 or UZIN NC 115 is preferred.
- For new asphalt screeds thicknesses up to max. 5 mm and for older asphalt screeds with old layers attached thicknesses up to max. 3 mm are permissible. For greater thicknesses gypsum-based levelling compounds such as UZIN NC 110 or UZIN NC 115 should be used.
- Do not use in exterior or wet areas.
- Protect freshly smoothed areas from draughts, direct sunlight and sources of heat. Cementitious compound layers on soft or tacky substrates tend to form cracks. These soft or tacky layers must therefore be removed as much as possible before applying smoothing compounds. Leaving such compound layers open too long also promotes such cracking and should therefore be avoided.
- Do not use as a screed or as a wearing surface – a surface covering or coating must always be applied.
- To avoid corrosion the smoothing compound must not get between heating pipes and insulation. This especially applies to pipes made of galvanised steel. The insulation may only be removed after the smoothing work has been completed.
- Amongst others, the following standards, guidelines and bulletins represent supporting information and are recommended for special attention.
  – DIN 18 365 "Working with floor coverings"
  – TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
  – BEB publication "Assessment and preparation of substrates"
  – TKB publication "Technical description and processing of floor levelling compounds"

Protection of the workplace and the environment:

Contains cement, low chromate content as per 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. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

EMICODE EC 1 R PLUS – very low emission. 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:

Do not dispose of into the sewer system, open water or the soil. Paper sacks can be recycled when emptied and free from any residues. Collect product residues, mix with water, allow to harden and dispose of as construction waste.