

Fibre-Reinforced Smoothing Compound

UZIN NC 196

Fibre-Reinforced Smoothing Compound for thicknesses from 3 to 40 mm

MAIN APPLICATION FIELD:

A cementitious, fibre reinforced smoothing compound for the thickness ranges from 3 – 40 mm in interior locations. Suitable for surface smoothing and levelling work. For producing smooth surfaces with good absorbency for floor covering work as well as for the installation of tiling and natural stone.

SUITABLE ON / FOR:

- ▶ Wooden substrates such as flooring grade plywood, chipboard P4 – P7 (screw-fixed) conforming to current British Standards.
- ▶ Domestic and commercial locations.
- ▶ Cement- and calcium sulphate-screeds, concrete, terrazzo, mastic asphalt.
- ▶ Existing surfaces with well-bonded residues of adhesives and smoothing compounds.
- ▶ Warm water and electric cable underfloor heating systems.
- ▶ Exposure to castor wheels in accordance with DIN EN 12 529.



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Uzin Utz UK Ltd. Warwickshire, CV23 0UY	
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EN 13813:2002	
Cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C25-F6	
Reaction to fire	EN
Release of corrosive substances	CT
Compressive strength	C25
Flexural strength	F6

PRODUCT BENEFITS/FEATURES:

UZIN NC 196 is a cost effective fibre reinforced smoothing compound. It is low-stress, even when applied at greater thicknesses and is pumpable. For interior use.

- ▶ Fibre reinforced
- ▶ Thickness range from 3 to 40 mm
- ▶ Excellent flow properties and pumpable
- ▶ Low stress
- ▶ Excellent absorbency



TECHNICAL DATA:

Packaging	paper bag
Pack size	20 kg
Shelf life	9 months
Water quantity	3.25 - 4.0 litres per 20 kg bag
Colour	grey
Consumption	approx. 5 m ² at 3 mm thickness
Ideal application temperature	20 °C
Working time	20 - 40 minutes*
Ready for foot traffic	after 2 - 3 hours*
Ready for covering	after 24 hours*
Minimum application temperature	10 °C at ground level
Fire reaction	A1 _{fl} acc. to DIN EN 13 501-1

*At 20 °C and 65% relative humidity with max. thickness of 3 mm. See "Ready for covering".



EXTENDED APPLICATIONS:

Can be used on raised access flooring panels in conjunction with UZIN PE 630 primer, providing the panels are mechanically fixed with no movement and free from any contamination that would impair the adhesion of any UZIN products. For further information please contact UZIN Technical.

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard 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 primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Put 3.25 – 4.0 litres of clean, cold water into a clean container. Sprinkle in the sack contents (20 kg) whilst stirring vigorously and mix until lump-free. Use a drill fitted with the UZIN Mixing paddle for levelling smoothing compounds. Do not mix too thin.
2. Pour the compound onto the primed substrate and distribute evenly using a smoothing trowel or the UZIN Screed Rake. In thicker coats or when using the screed rake, flow and surface finish can be improved by use of the UZIN Spike Roller. Where possible, apply to the desired thickness in one coat.
3. Readiness for installation of the textile, resilient or natural stone covering is after approx. 24 hours per 4 mm of thickness*. Readiness for installation of the ceramic tiling is after approx. 24 hours per 10 mm of thickness*. Sanding the surface using 36 – 60 grade gritpaper increases the surface finish quality and improves appearance and absorbency. *At 20 °C/68 °F and 65 % relative humidity.

CONSUMPTION:

Thickness	Approx. coverage per bag
3 mm	5 m ²
10 mm	1.5 m ²
20 mm	0.75 m ²
40 mm	0.375 m ²

IMPORTANT NOTES:

- ▶ Shelf life 9 months in original packaging when stored in dry conditions. Tightly seal opened packaging and use the contents as quickly as possible.
- ▶ Optimum conditions are 15 – 25 °C/59 – 77 °F and relative humidity below 65 %. Low temperatures, high humidity and greater thickness will retard, whilst high temperature 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 wall-connection-joints must be reflected through from the substrate to the surface. As required, fit UZIN Expansion Strips against any structures to prevent ingress of the wet compound into the connection joint.
- ▶ In higher layer thicknesses we recommend to use a pump.
- ▶ Pumpable with continuous, forced-action mixer-pumps, e.g. m-tec duo mix, P.F.T.-Monojet, etc.
- ▶ When applying more than one coat, allow to dry completely, prime with Universal Primer UZIN PE 360 and allow primer to dry (approx. one hour*) before applying the next coat.
- ▶ On mastic asphalt, a thickness up to max. 10 mm is permissible.
- ▶ For thicknesses above 10 mm on moisture-sensitive or weak surfaces (e.g. on calcium sulphate or old adhesive residues), pre-apply epoxy resin primer such as 2-Component Epoxy Primer-Sealer UZIN PE 481, grit-blinded.
- ▶ Protect freshly installed surfaces from draughts, direct sunlight and sources of heat.
- ▶ On soft or tacky surfaces, cement smoothing compounds have a tendency to crack. Therefore, old adhesive residues or tacky coatings must be removed as far as is possible before applying primer and smoothing compound. Also, leaving such smoothing coats uncovered for too long will promote crack formation and must be avoided.
- ▶ The substructure of wooden floors must be dry to prevent damage due to damp through rotting or mould formation. Adequate ventilation or rear-ventilation must be provided especially when installing impermeable flooring, e.g. by removing the existing expansion strip or by installing special skirting with vent openings. NC 196 New will not disguise the deformation of any substrate if any climatic conditions change and the substrate moves.
- ▶ 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 tiling”
 - TKB publication “Assessment and preparation of substrates for floor covering and wood flooring installation”
 - BEB publication “Assessment and preparation of surfaces”

SEALS OF QUALITY & ECOLABELS:

- ▶ Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- ▶ EMICODE EC 1 PLUS / Very low-emission
- ▶ European Model EPD
- ▶ Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. 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. Use protective gloves. When mixing wear a protective dust-mask. Product contains fibres based on synthetic polymer microparticles (SPM). Keep container tightly closed. Immediately collect spilled material from damaged containers and reuse or dispose of properly. 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. Odourless in the cured and dry state.

DISPOSAL:

Where possible, collect product residues and re-use. Product contains synthetic polymer microparticles (SPM). Avoid release to the environment. Do not allow to get into drains, sewers or ground. Empty paper packaging is recyclable. Collect waste product, mix with water, allow to harden, then dispose as Construction Waste.