

Fibre-Reinforced Smoothing Compound

# UZIN NC 196 NEW

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

## Description:

Very low emission, rapid setting, cementitious and fibre reinforced smoothing compound for the thickness range 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 for multiply wood flooring.

Suitable for / on:

- ▶ producing smooth, well-keyed surfaces for textile and resilient floor coverings (requiring a fine smoothing sub-floor finish) such as, e.g. carpets, PVC or cushioned vinyl, PVC design flooring, linoleum, rubber or polyolefin coverings
- ▶ surface preparation prior to installation of tiling or natural stone
- ▶ wooden substrates such as multi-plywood, chipboard P4 – P7 (screw-fixed) conforming to current British Standards
- ▶ normal wear in domestic, commercial and industrial locations
- ▶ floor heating system with surface electrical cabling
- ▶ cement- and calcium sulphate-screeds, concrete, terrazzo, mastic asphalt
- ▶ existing surfaces with well-bonded residues of adhesives and smoothing compounds
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529

\* see important notes

## Product properties / benefits

Plasticised, dry powder mortar mix with special, coarse-grade aggregate. When mixed with water, produces a hydraulic-setting flow-mortar with excellent application properties. Contains fibres.

The special advantage of UZIN NC 196 NEW is its combination of economical preparation, wide range of uses, the best application properties and low-stress setting performance, even in greater thicknesses.



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Uzin Utz Polska Sp. z o.o. ul. Jaworzyńska 287 59-220 Legnica	
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01/03/0029.02	
EN 13 813:2002 Project screed for substrates in interior locations	
EN 13 813: CT-C25-F6	
Reaction to fire	<b>A1<sub>fl</sub></b>
Release of corrosive substances	<b>CT</b>
Compressive strength	<b>C25</b>
Flexural strength	<b>F6</b>



**Composition:** Special cements, mineral aggregates, poly-vinyl acetate copolymers, flow-agents and additives.

- ▶ Fibre reinforced
- ▶ Thickness range from 3 to 40 mm
- ▶ Excellent flow properties and pumpable
- ▶ Rapid setting
- ▶ Rapid drying
- ▶ Low stress
- ▶ Excellent absorbency
- ▶ High compressive and tensile strength
- ▶ Low chromate content
- ▶ EMICODE EC 1 PLUS / Very low-emission
- ▶ GISCODE ZP 1, low chromate content

## Technical data:

Packaging:	paper sack
Pack size:	20 kg
Shelf life:	min. 6 months
Water mixing ratio:	3.5 – 4.25 litres per 20 kg sack
Colour:	grey
Coverage:	approx. 4 m <sup>2</sup> at 3 mm per bag
Working temperature:	min. 10 °C at floor level
Working time:	approx. 20 – 40 minutes*
Set to foot traffic:	after 2 – 3 hours*
Ready for covering:	after 24 hours*

\* At 20 °C / 68 °F and 65 % relative humidity. For a 3 mm thick layer.

## Subfloor Preparation:

The subfloor 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.

Test the subfloor in accordance with applicable standards and notice and report any deficiencies.

Brush, abrade, grind or shot-blast any soft or weak surface sections. 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. Grit-blind reaction resin primers, such as 2-Component Epoxy Primer-Sealer UZIN PE 460.

Refer to the Product Data Sheets for other products used.

## Application:

1. Put 3.5 – 4.25 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 grit-paper increases the surface finish quality and improves appearance and absorbency.

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

## Consumption:

Thickness	Approx. coverage per 20 kg sack
3 mm	4.0 m <sup>2</sup>
10 mm	1.2 m <sup>2</sup>
20 mm	0.6 m <sup>2</sup>
40 mm	0.3 m <sup>2</sup>

## Important notes:

- ▶ Shelf life minimum 6 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 460, 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 wooden 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"

## Protection of the Workplace and the Environment:

Contains cement low in chromate acc. Directive 2003/53/EC. 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 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:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty paper bags are recyclable. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.