PRODUCT DATA SHEET

Quick-drying even at low temperatures

Low-slump repair compound

UZIN NC 182

Low-slump, fine and very quick-drying cement smoothing compound for any thickness range

Applications:

Low-slump rapid repair mortar for floor covering and wood flooring installation. No thickness limits. For interior use only.

Suitable for:

- producing absorbent, high-strength, ready for covering installation areas in a short amount of time
- filling holes and cracks in most types of substrate particularly screeds or concrete floors
- edge or repair work before final smoothing and gluing
- patching of staircases and landings
- high durability in residential, commercial and industrial areas
- hot water underfloor heating
- chair castors according to DIN EN 12 529 from 1 mm compound thickness

Suitable on:

- new or old cement, calcium sulphate screeds (may need a primer), stone-wood (Granwood) screeds, concrete, dense mineral-based substrates and similar
- chipboard P3 / P5 / P7 and OSB panels (each solidly fixed)
- old substrates with strongly bonded waterproof adhesive and smoothing compound residues
- also as „low-slump" surface compound on old adhesive residues and for filling down to a „feather-edge"
- as system component in rapid construction

Provides the highest possible level of emission safety and contributes towards creating a healthy room climate.

Marked with the **"Blue Angel"** for low-emission floor covering adhesives and other installation materials according to RAL-UZ 113.

CE
0761
Uzin Utz AG
Dieselstraße 3
89079 Ulm
13
01/01/0022.01
EN 13 813: 2002
Low slump, cementitious repair mortar for substrates in interior locations
EN 13 813: CT – C 30 – F 7

Reaction to fire	$A1_{fl}$
Release of corrosive substances	CT
Compressive strength	C 30
Flexural strength	F 7

UZIN ÖKOLINE

GEV-EMICODE EC 1 PLUS very low emission

BLAUER ENGEL DAS UMWELTZEICHEN

www.blauer-engel.de/uz113

0736

Product benefits / features:

When mixed with water produces a quick-drying, ready for covering mortar with good working properties. Its rapid setting characteristics allow for further priming, filling or gluing work after a short amount of time. Filling and finishing down to a feather-edge is easily achievable with UZIN NC 182.

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

- Ready for covering after 60 min.
- Hydraulically setting
- From feather-edge to high thicknesses
- Ideal working properties
- Fine grain, eliminates smoothing edges
- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 R PLUS / Very low-emission
- RAL-UZ 113 / Environmentally friendly because of low emissions

Technical Data:

Packaging:	paper sack
Packsizes:	20 kg, 12.5 kg with carry-handle
Shelf life:	min. 12 months
Required water quantity:	4.8 – 5.3 litres per 20 kg sack 3 – 3.75 litres per 12.5 kg sack
Partial quantity processing:	250 – 300 ml water for 1 kg powder
Colour:	grey
Coverage:	20 kg is approx. 13.3 m² at 1 mm per bag
Working temperature:	10 °C / 50 °F at floor level
Working time:	approx. 15 minutes*
Ready for foot traffic / can be skimmed over:	after approx. 25 minutes*
Ready for covering:	after 60 minutes*

*At 20 °C / 68 °F and 65 % relative humidity. See also "Ready for covering"..

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ballister

UZIN NC 182

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 vacuumed and in some circumstances primed. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies.

Any deleterious 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 off loose material and dust. Select a suitable primer from the UZIN Product Guide according to the type and condition of the substrate. Prior priming is not required for certain substrates, such as old screeds with dense, well-adhering, waterproof adhesive residues. Primer generally to be applied for thicknesses over 3 mm. Allow any primers that are applied to dry completely.

Refer to the product data sheets for other products used.

Application:

1. Mix UZIN NC 182 with water to the desired consistency. For 20 kg, the correct water quantity is 4.8 – 5.3 litres, however, as it is normally mixed in partial quantities, use 250 – 300 ml of water for 1 kg of powder. Pour the cold, clean water into a clean container. Sprinkle in the powder whilst mixing vigorously and mix until lump-free. Only mix as much mortar as can be applied within the working time of approx. 10 – 15 minutes*.
2. Apply the compound evenly onto the substrate at the desired thickness using a smoothing trowel, leave approx. 25 minutes* and then rework or smooth. Best applied to the required thickness in one application.

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

Consumption information:

Thickness	Approx. coverage per 20 kg sack
1 mm	13.3 m²
3 mm	4.5 m²
10 mm	1,3 m²

Readiness for covering:

Thickness	Ready for covering at 20 °C/65 % rel. humidity	Ready for covering at 10 °C/80 % rel. humidity
1 – 30 mm	1 hour	Approx. 1.5 hours

Important notes:

- Shelf life at least 12 months in original packaging when stored in dry conditions. Carefully and tightly re-seal opened packaging and use the contents as quickly as possible.
- Optimum workability at 15 – 20 °C/59 – 68 °F and relative humidity below 65 %. Low temperatures, high humidity and greater thickness will delay drying, whilst high temperatures and low humidity will accelerate setting, drying and readiness for covering. In summer, store in cool conditions and use cold water.
- Expansion, movement and wall connection joints in the substrate must be reflected through to the surface. As necessary, fit UZIN Foam Expansion Strips to any adjoining structures to prevent ingress of the compound into the construction joints. Expansion strips are generally necessary for thicknesses over 5 mm.
- Minimum thickness for resistance to castors is 1 mm.
- When subsequently smoothing with self-levelling compound, or if applied in several coats, allow to dry completely, apply UZIN PE 360 as intermediate primer and smooth after drying (approx. 1 hour*).
- For greater thicknesses, above 10 mm, the compound is best bulked out with up to 50 % (equivalent to 12.5 kg/sack) of dry UZIN Quartz Sand, grain-size 1 – 2.5 mm.
- For thicknesses above 10 mm, as well as on moisture-sensitive (calcium sulphate screeds) or weak substrates (adhesive residues), it is best to use resin DPMs, such as UZIN PE 480 gritted.
- For new poured asphalt (not Macadam), chipboard P3/P5/P7, OSB boards or screeds with adhesive residues (without using a primer), thicknesses up to 3 mm are permitted. For older poured asphalt or greater thicknesses, the use of calcium sulphate-based levelling compounds, such as UZIN NC 118, is recommended.
- In case of using dispersion based adhesives on a layer < 1 mm of UZIN 182 priming with e.g. UZIN PE 360 is recommended.
- 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. Soft or tacky layers should therefore be removed before applying smoothing compounds. Leaving such compound layers open too long also promotes such cracking and should therefore be avoided.
- Do not use as screed or wearing surface; always apply a top covering.
- UZIN NC 182 is applicable as an under-floor, thin-film layer for decks and is approved by the maritime occupational association "See Berufsgenossenschaft Hamburg", module B and module D. Certificates are available upon request. The permissible thickness is approx. 5 mm. USCG-No. for the system is module B 164.106/EC0736/113.126.
- Follow the generally acknowledged "best practice" requirements and technology for the installation of floor covering as well as all respective applicable standards (e.g. EN, DIN, OE, SIA, etc.). The following standards and bulletins represent supporting information and are recommended for special attention.
  – DIN 18 365 "Working with floor coverings"
  – DIN 18 356 "Working with wood flooring and wood-blocks"
  – TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
  – TKB publication "Technical description and processing of cementitious floor levelling compounds"
  – BEB publication "Assessment and preparation of substrates"

Protection of the Workplace and the Environment:

Contains cement low in chromate acc. Regulation (EC) No 1907/2006 (REACH). Keep out of the reach of children. Use nitrile impregnated cotton-gloves. During mixing wear a suitable dust-mask. Thorough ventilation must be ensured during and after the installation and drying time of the product. Drinking, eating and smoking are prohibited during the installation. After contact with eyes or skin, wash immediately with plenty of water. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use. Presents no physiological or ecological risk when fully cured.

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.

For allergy information, call +49 731 4097-0 (Germany).

EMICODE EC 1 R PLUS – Very low emission.

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.

The above information is based on our experience and careful investigations. The variety of associated materials and different construction and working conditions cannot be individually checked or influenced by us. The quality of your work depends, therefore, on your own professional judgement and product usage. If in doubt, conduct a small test or obtain technical advice. Observe the installation recommendations of the covering manufacturer. The publication of this Product Data Sheet invalidates all previous Product Information. The respective updated version of this datasheet can be found on our Homepage under www.uzin.com.