Product Datasheet

Low-slump cementitious repair mortar

UZIN NC 182

Moisture-resistant, low-slump and rapid repair mortar with reActivate effect for any range of thickness

MAIN APPLICATION FIELD:

- patching, repair and filling of holes for most substrates in need for all renovation prior to levelling and installation works
- creating absorbent substrates with high strength that are quickly ready for covering
- for all thicknesses

SUITABLE ON / FOR:

- calcium sulphate screeds, cementitious screeds or concrete
- precast screeds, screed boards
- old screeds or concrete, which may contain old compounds and water-proof adhesive residues
- existing or new P3 - P7 or OSB 2 - OSB 4 boards, screwed
- existing ceramic and natural stone coverings, terrazzo or similar
- existing and new IC 10 and IC 15 mastic asphalt screeds
- magnesia and xylolite screeds
- as "low-slump" levelling compound or as a "feather-edge"
- as a system component on moist, cementitious substrates in UZIN Moisture Tolerant (MT) Systems
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness
- suitable for residential, commercial and industrial areas, e.g. hospitals, busy shopping malls, industrial halls, etc.

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Uzin Utz SE Dieselstrasse 3 89079 Ulm	
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01/01/0022.01	
EN 13813:2002	
Cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C30-F7	
Reaction to fire	A1fl
Release of corrosive substances	CT
Compressive strength	C30
Flexural strength	F7

PRODUCT BENEFITS/FEATURES:

UZIN NC 182 NEW is an easy to use and quick drying repair mortar with ideal working properties. As the mortar is re-stirrable during the working time, the application time can be extended. Can be used for patching and use as a "feather edge". For interior use.

- ready to accept floor coverings after 60 minutes*
- re-stirrable, longer working time
- resistant agains alkaline moisture
- fine grain, no visible patching marks

TECHNICAL DATA:

Packaging	paper bag
Pack size	20 kg
Shelf life	min. 12
Water quantity	4.6 - 5.4 litres per 20 kg bag
Small quantity dosage	1 kg powder - 230 - 270 ml water
Color	grey
Consumption	approx. 1.5 kg/m²/mm thickness
Ideal application temperature	15 - 25 °C
Working time	15 - 20 minutes*
Ready for foot traffic	after 40 - 50 minutes*
Ready for covering	after 60 minutes*
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. See "Ready for covering".

GEV-EMICODE EC 1 PLUS very low emission

BLUE ANGEL DER BLAUE ENGEL www.blauer-engel.de/uz113

EPD

LEED® CONTRIBUTING PRODUCT

0736

re ACTIVATE EFFECT

MT TECHNOLOGY

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UZIN NC 182

EXTENDED APPLICATIONS:

- on moist, cementitious substrates in UZIN Moisture Tolerant (MT) Systems

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. On certain substrates, e.g old screeds or concrete, which may contain old compounds and water-proof adhesive residues, the use of a primer is not necessary. With thicknesses above 3 mm it has to be primed generally. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Mix UZIN NC 182 NEW with water to the desired consistency. The correct water quantity for 20 kg is 4.6 - 5.4 litres. However, as partial quantities are ususally mixed, 230 - 270 ml of water have to be used for 1 kg powder. Put cold, clear water into a clean container. Sprinkle in the powder while mixing vigorously until a smooth and lump-free compound is obtained. Mix only as much mortar as can be applied within the working time of approx. 15 - 20 minutes*. Within the working time, the mortar can be stirred up again when it's already stiff to continue applying the material.
2. Pour the compound onto the substrate and spread evenly with a smoothing trowel to the desired thickness. Leave the compound for approx. 25 minutes* and then rework or smooth. Apply to the desired thickness in one coat.

* At 20 °C and 65% relative humidity

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
1 mm	1.5 kg/m²	20 kg / 13.3 m²
3 mm	4.5 kg/m²	20 kg / 4.4 m²
10 mm	15.0 kg/m²	20 kg / 1.3 m²

READY FOR COVERING:

Layer thickness	Ready for Covering
1 - 30 mm	1 hour*
1 - 30 mm	approx. 1.5 hours**

*At 20 °C and 65% relative humidity
**At 10 °C and 80% relative humidity.

IMPORTANT NOTES:

- A shelf life of 12 months when stored in dry conditions, in the original packaging. The setting and drying times may become longer if the storage time is prolonged. The properties of the cured material are not affected. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- Best applied between 15 - 25 °C and relative humidity below 65%. Low temperatures, high humidity, little air circulation, dense substrates and large thickness will delay the setting and drying time. Whilst high temperatures and low humidity, strong air circulation and absorbent substrates will accelerate setting, drying and readiness for covering. In summer, store in cool conditions and use cold water.
- Expansion, movement and perimeter joints in the substrate must be reflected through to the surface. Fit UZIN Foam Expansion Strips to any adjacent, vertical structures to prevent the ingress of the compound into the joints.
- Minimum thickness for resistance of castors is 1 mm.
- With subsequent application of a self-levelling compound or when applying in several coats, allow the compound to dry completely. Then apply UZIN PE 360 PLUS as a intermediate primer and leave to dry, before applying subsequent coats.
- For greater thicknesses above 10 mm the compound should be extended with up to 50 % (equivalent to 10 kg/bag) of dry UZIN Quartz Sand, grain-size 1 – 2.5 mm. After drying the surface has to be primed again.
- For thicknesses above 10 mm and on moisture-sensitive substrates, use epoxy primers, such as UZIN PE 460, gritted.
- To bridge and armour cracks, joints or transistions, use NC 182 NEW in combination with the crack-bridge UZIN RR 203.
- Without a primer, thicknesses up to max. 3 mm are allowed for mastic asphalt or screeds with adhesive residues, P4 - P7 chipboard or OSB 2 - OSB 4 panels. On older mastic asphalt or for greater thicknesses gypsum-based levelling compounds such as UZIN NC 118 should be used.
- Do not use in exterior areas.
- Protect freshly applied areas from draughts, direct sunlight and sources of heat. Cement-based compounds tend to form cracks on soft or tacky substrates. These soft and tacky layers must therefore be removed as much as possible before applying the compound. Leaving such compounds open for too long also promotes such cracking and should therefore be avoided.
- Do not use as a screed or as a wear surface, a surface covering must always be applied.

This product is intended exclusively for professional use by qualified commercial users. It must not be supplied to consumers. The above information is based on our experience and careful investigations. The variety of associated materials and different constructions 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 floor 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 website under www.uzin.com | 09/2026

- UZIN NC 182 has the approval as shipbuilding equipment product by the maritime occupational association “See-Berufsgenossenschaft Hamburg”, module B and module D. Certificates are available upon request. The permissible thickness is 40 mm. USCG-No. for the system is 164.106/EC0736/113126-01.
- Compounds must not enter between insulation and heating pipes because of the risk of corrosion. This applies in particular for heating pipes made from galvanized steel. Insulation may only be cut off after smoothing.
- Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 PLUS / Very low-emission
- Blue Angel according to DE-UZ 113 / Environmentally friendly because of low emissions
- European Model EPD
- Suitable for sustainable building certifications according to: DGNB, QNG, BNB, BREEAM, LEED

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers, high-performance liquefiers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. Regulation (EC) No 1907/2006 (REACH). Keep out of reach of children! Keep children away from fresh product / installation material. Store in a dry and cool place. Once opened, immediately close packaging tightly. Wear nitrile impregnated cotton-gloves and long trousers. During mixing wear a suitable dust-mask and goggles. 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. In case of eye contact, wash immediately with plenty of water and seek medical attention. Avoid prolonged skin contact with the product. After skin contact thoroughly rinse with water immediately.The longer the freshly mixed product remains on the skin, the greater the risk of serious skin damage. 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).

DISPOSAL:

Where possible, collect product residues and re-use. 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.

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