PRODUCT DATA SHEET

Quick drying

Low-slump gypsum repair

UZIN NC 118 NEW

Low-slump calcium sulphate based repair mortar

Areas of application:

Low-slump gypsum-based repair mortar for floor covering and wood flooring installation.
Without thickness limits and with best installation properties, for interior areas.

Suitable for:

- manufacturing highly absorbent, high-strength, installation areas quickly ready for covering
- filling holes and cracks in substrates, such as screeds or concrete floors
- edge or part-area smoothing of all repair work before smoothing and adhesive application
- patching of staircases and platform scales
- high strength in residential, commercial and industrial areas, e.g. in hospitals, high-traffic shopping malls, industrial shops, etc.
- hot water underfloor heating
- loads from chair castors according to DIN EN 12 529 from 1 mm compound thickness

Suitable for use on:

- new or old cement, calcium sulphate screeds, stone-wood screeds, concrete, dense mineral-based substrates and similar
- chipboard P3 / P5 / P7 and OSB tiles (each firmly screw-fixed)
- old substrates with strongly bonded waterproof adhesive and compound residues
- also as "low-slump" surface compound on old adhesive residues and for filling down to a "feather-edge"
- as system component for gypsum-based constructions

Product benefits / properties:

When mixed with water produces an optimally workable gypsum repair compound with ideal processing properties. The short setting properties facilitate further priming, filling or bonding work after a short amount of time. Filling and finishing down to a feather-edge is easily achievable with UZIN NC 118 NEW.

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EN 13 813:2002
Low slump, calcium sulphate repair mortar for substrates in interior locations
EN 13 813: CA–C30–F6

Reaction to fire	A1fl
Release of corrosive substances	CA
pH	> 7
Compressive strength	C30
Flexural strength	F6

GEV-EMICODE EC 1 PLUS Very low emission

LEED contributing product

SUPER FAST TECHNOLOGY

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

- Excellent mixing properties
- Adjustable consistency
- Easy application
- Nearly tension-free
- For any thickness
- Calcium Sulphate based repair mortar
- EMICODE EC 1 PLUS / Very low-emission

Technical data:

Packaging:	Paper bag opening device
Packsize:	20 kg
Shelf life:	min. 12 months
Required water quantity:	4.0 litres per 20 kg bag
Partial quantity application:	Approx. 200 ml water for 1 kg powder
Colour:	white
Coverage:	approximately 13.3 m² at 1 mm per bag
Minimum working temperature:	15 °C at ground level
Ideal working temperature:	15 – 25 °C
Pot life:	10 – 15 minutes*
Cutting edges:	after approx. 15 minutes*
Ready for foot traffic:	after 30 – 45 minutes*
Ready for covering:	after 2 hrs.*

* At 20 °C and 65 % relative humidity at max. 3 mm thickness.

UZIN | A brand of Uzin Utz Group

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UZIN NC 118 NEW

Subfloor 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. Test the substrate in accordance with applicable standards and bulletins and report any deficiencies.

Any adhesion-reducing or unstable layers, e.g. release agents, residues of loose adhesives, levelling compounds, covering or paint, etc. must be removed, e.g. by brushing off, 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. Mix UZIN NC 118 NEW to the desired consistency with water. The correct water quantity for 20 kg is 4.0 litres. However, as partial quantities are usually mixed, 200 ml of water need to be used for 1 kg of powder. Pour cold, clean water into a clean container. Sprinkle in the powder whilst mixing vigorously and mix until lump-free. Mix only as much mortar as can be applied within the pot life of 10 15 minutes*.
2. Spread the repair mortar evenly onto the substrate to the desired thickness using a smoothing trowel, leave approx. 15 minutes* and then rework or smooth. Spread to the required thickness in one application.

* At 20 °C and 65% relative humidity

Consumption information:

Thickness	Approx. coverage per 20 kg bag
1 mm	13.3 m²
3 mm	4.4 m²
10 mm	1.3 m²

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 conditions at 15 – 25 °C and relative humidity below 65 %. Low temperatures, high humidity and greater thickness will delay 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 expansion strips to adjoining structures to prevent ingress of the compound into the connection joints.
- Minimum thickness for resistance to castors is 1 mm.
- When subsequently smoothing with self-levelling compound or in several coats leave to dry completely, apply UZIN PE 360 as intermediate primer and smooth subsequently after drying (approx. 1 hour*).
- 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.
- For thicknesses above 10 mm or weak substrates use epoxy-resin DPM, such as UZIN PE 480, gritted.
- In case of direct bonding with dispersion-based adhesives on UZIN NC 118 NEW, priming with, e.g. Universal Primer UZIN PE 360, is required.
- Do not use in exterior or wet areas.
- Do not use as screed or wearing surface; always apply a top covering.
- Levelling compound must not enter between insulation and heating pipes because of the risk of corrosion. This applies in particular for heating pipes 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 floor covering of the respective applicable national 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 covering”, Ö-Norm B 2236
  - DIN 18 356 “Working with wood flooring”, Ö-Norm B 2218
  - TKB publication “Assessment and preparation of substrates for floor covering and wood flooring installation”
  - TKB publication “Technical description and application of cementitious floor levelling compounds”
  - BEB publication “Assessment and preparation of substrates”

Protection of the Workplace and the Environment:

Gypsum levelling compound. The use of skin protection lotion is recommended as a rule. Wear protective dust mask when mixing. Physiologically and ecologically harmless when cured and dry. The basic prerequisites for optimal room air quality after floor covering work consist of installation conditions conforming to standards and well-dried substrates, primers and levelling compounds.

EMICODE EC 1 PLUS – Very low-emission.

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.

ballister