

Low-Slump, Gypsum Repair Mortar

UZIN NC 118

Rapid, almost tension-free repair compound with fine aggregate for any range of thicknesses

MAIN APPLICATION FIELD:

- ▶ for patching, part-levelling, repair work and filling of holes in substrates
- ▶ creation of well-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
- ▶ xylolite screeds
- ▶ as "low-slump" levelling compound or as a "feather-edge"
- ▶ 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.



CE	
0761 Uzin Utz AG Dieselstraße 3 89079 Ulm	
13 01/01/0011.02	
EN 13 813: 2002 Low slump, calcium sulphate repair mortar for substrates in interior locations EN 13 813: CA-C30-F6	
Fire resistance	A1fl
Release of corrosive substances	CA
pH value	> 7
Compressive strength	C 30
Flexural strength	F 6

PRODUCT BENEFITS/FEATURES:

UZIN NC 118 is a gypsum based repair mortar with ideal working properties. The short drying time enables subsequent priming, levelling or installation works after a short time. Can be used for most repair work and as a "feather edge". For interior use.

- ▶ excellent mixing properties
- ▶ adjustable consistency
- ▶ very low tension

TECHNICAL DATA:

Packaging	paper bag
Pack size	20 kg
Shelf life	min. 12 months
Water quantity	4.0 litres per 20 kg bag
Small quantity dosage	approx. 200 ml of water for 1 kg of powder
Color	white
Consumption	approx 1.5 kg/m ² /mm thickness
Ideal application temperature	15 - 25 °C
Working time	10 - 15 minutes*
Ready for foot traffic	after 30 - 45 minutes*
Ready for covering	after 2 - 2.5 hours*
Minimum application temperature	15 °C at ground level
Cut edges	after approx. 15 minutes*
Fire reaction	A1 _n according to DIN EN 13 501-1

*At 20 °C and 65% relative humidity and thickness of 0 - 30 mm.



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:

- Mix UZIN NC 118 with water to the desired consistency. The correct water quantity for 20 kg is 4.0 litres. However, as partial quantities are usually mixed, 200 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. 10 - 15 minutes*.
- Apply the mortar onto the substrate and spread evenly with a smoothing trowel to the desired thickness. Leave for approx. 15 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/m ²	20 kg / 13.3 m ²
3 mm	4.5 kg/m ²	20 kg / 4.4 m ²
10 mm	15.0 kg/m ²	20 kg / 1.3 m ²

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 an 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. Drying time extends up to approx. 12 hours. 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.
- Do not use in exterior or wet areas.
- Do not use as a screed or as a wear surface, a surface covering must always be applied.
- 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:

- Levelling compound on calcium sulphate base
- EMICODE EC 1 PLUS / Very low-emission

COMPOSITION:

Special binders, mineral aggregates, redispersible polymers and additives.

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.

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.