Product Datasheet

Rapid gypsum levelling compound

UZIN NC 112 TURBO

Self smoothing, highly stressable and rapid compound for all floor coverings and wood flooring for thicknesses from 0 to 30 mm

MAIN APPLICATION FIELD:

- smoothing and levelling of substrates for the subsequent installation of textile and resilient floor coverings, wood flooring and ceramics / natural stone coverings. Especially suitable for weak, old and mixed substrates in combination with a very early readiness for covering.

SUITABLE ON / FOR:

- calcium sulphate or cementitious screeds
- old screeds or concrete, which may contain old compounds and adhesive residues
- existing and new P4 - P7 or OSB 2 - OSB 4 boards, screwed or installed floatingly
- existing ceramic and natural stone coverings, terrazzo or similar
- existing and new IC 10 and IC 15 mastic asphalt screeds
- precast screeds, screed boards
- warm water underfloor heating systems or thin film 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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EN 13813:2002	
Calcium sulphate levelling compound for substrates in interior locations	
EN 13813: CA-C40-F10	
Reaction to fire	A1fl
Release of corrosive substances	CA
pH	>7
Compressive strength	C40
Flexural strength	F10

PRODUCT BENEFITS/FEATURES:

UZIN NC 112 Turbo is a high performance, rapid drying, gypsum based levelling compound which quickly creates smooth substrates ready to accept floor coverings. Especially suitable for a quickly renovating weak, old or mixed substrates. With superior flow characteristics, a uniform and homogeneous appearance producing a smooth surface it provides flooring installers the best base for the subsequent installation of floor coverings or wooden flooring. For interior use.

- superior flow characteristics
- quick drying, ready to accept floor coverings after 6 hours*
- very low tension
- very high strength

TECHNICAL DATA:

Packaging	paper bag, Big Bag
Pack size	25 kg, 1000 kg (on request)
Shelf life	min. 6 months
Water quantity	4.5 - 5 litres per 25 kg bag
Color	white
Consumption	approx. 1.7 kg/m²/mm thickness
Ideal application temperature	15 °C - 25 °C
Working time	15 - 20 minutes*
Ready for foot traffic	after approx. 1 - 2 hours*
Ready for covering	after approx. 6 hours*
Minimum application temperature	10 °C at ground level
Flow spread ring	approx. 155 mm ± 5 mm
Fire reaction	$A1_{fl}$ according to DIN EN 13 501-1

*At 20 °C and 65% relative humidity with max. thickness of 5 mm. See "Ready for covering".

GEV-EMICODE EC 1 PLUS very low emission

BLUE ANGEL DER RUHMAN ECOLABEL www.blauer-engel.de/uz113

EPD

LEED® CONTRIBUTING PRODUCT

LEVEL PLUS EFFECT

UZIN NC 112 TURBO

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:

1. Put 4.5 - 5 litres of cold, clear water into a clean container. Sprinkle in the contents of the bag (25 kg) while mixing vigorously until until a smooth and lump-free compound is obtained. Use a mixing device fitted with a UZIN Mixing Paddle.
2. Pour the compound onto the substrate and spread evenly with a smoothing trowel or a screed rake. The flow and surface can be improved by removing air using a spike roller. If possible, apply to the desired thickness in one coat.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
1 mm	1.7 kg/m²	25 kg / 14.7 m²
3 mm	5.1 kg/m²	25 kg / 4.9 m²
10 mm	17.0 kg/m²	25 kg / 1.4 m²

READY FOR COVERING:

Planned Top Layer	Layer Thickness	Ready for Covering
Textile and resilient floor coverings	3 mm	approx. 6 hours*
	5 mm	approx. 6 hours*
	10 mm	approx. 24 hours*
Textile and resilient floor coverings with Sigan 1 or Sigan Elements Plus and Planus	3 mm	approx. 24 hours*
Wood flooring / UZIN KE 68	3 mm	approx. 24 hours
	5 mm	approx. 24 hours*
	10 mm	approx. 48 hours*
Textile and resilient floor coverings (e.g. PVC, linoleum, rubber), ceramics and natural stone	3 mm	approx. 15 hours*

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

IMPORTANT NOTES:

- A shelf life of 6 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.
- Can be pumped with continuous, forced-action mixer-pumps, e.g. from manufacturers such as m-tec, P.F.T. and others.
- 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.
- Minimum thickness for resistance of castors is 1 mm. On non-absorbent substrates such as old screeds with closed, fixed, waterproof adhesive residues, a thickness of 2 - 3 mm must be used.
- 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 thicknesses above 10 mm and on moisture-sensitive substrates, use epoxy primers, such as UZIN PE 460, gritted.
- Thicknesses up to a max. 10 mm are allowed for old mastic asphalt screeds, P4 - P7 chipboard or OSB 2 - OSB 4 panels when installed via the floating technique. They must be primed with waterless primers, e.g. UZIN PE 412 (2 coats), UZIN PE 460 or UZIN KR 410, gritted.
- The minimum thickness below wood flooring is 2 mm. Pay particular attention to a sufficient drying of the levelling compound prior to installation of wood flooring.
- 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.
- Grinding gypsum-based compounds creates very fine micro-dust. Vacuuming with a powerful industrial vacuum cleaner is mandatory to create a good bond between the compound, adhesive and floor covering.
- 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.)

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

SEALS OF QUALITY & ECOLABELS:

- Levelling compound on calcium sulphate base
- EMICODE EC 1 PLUS / Very low-emission
- Blue Angel according to DE-UZ 113 / Environmentally friendly because of low emissions

COMPOSITION:

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

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Gypsum levelling compound. The use of barrier creams is recommended. Keep out of the reach of children. Store in a dry and cool place. Once opened, immediately close packaging tightly. When mixing, wear a dust-mask and gloves. Thorough ventilation must be ensured during and after the installation and drying time of the product. Do not eat, drink or smoke 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. 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. 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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