

FusionTec universal levelling compound

UZIN NC 570

Self-levelling, nearly tension-free floor levelling compound, which is quickly ready for covering, for all floor coverings and wood flooring for layer thicknesses of 0 to 20 mm

MAIN APPLICATION FIELD:

- ▶ smoothing and levelling of unstable old and mixed substrates in the renovation sector for the subsequent installation of any floor covering.
- ▶ smoothing and levelling of substrates in the commercial sector with long working time - especially suitable for pump construction sites.
- ▶ For thicknesses from 0 to 20 mm.

SUITABLE ON / FOR:

- ▶ calcium sulphate or cementitious screeds, concrete
- ▶ 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 floating installation
- ▶ existing ceramic and natural stone coverings, terrazzo or similar
- ▶ existing and new IC 10 and IC 15 mastic asphalt screeds
- ▶ magnesita and xylolite screeds
- ▶ precast screeds, screed boards
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness
- ▶ suitable for residential and commercial areas, e.g. office buildings, house building, etc.



CE	
0761	
Uzin Utz SE	
Dieselstrasse 3	
89079 Ulm	
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01/01/0110.01	
EN 13813:2002	
Calcium sulphate levelling compound for substrates in interior locations	
EN 13813: CA-C35-F7	
Reaction to fire	A1fl
Release of corrosive substances	CA
pH	>7
Compressive strength	C35
Flexural strength	F7

PRODUCT BENEFITS/FEATURES:

Levelling compound with Fusion-Technology with very good flow properties and fast readiness for covering. A long working time simplifies the application over the entire layer thickness range. The nearly tension-free levelling compound can be used variably on a wide variety of substrates and despite its high strength, is easy to sand - perfect for commercial areas with time pressure. Pumpable, for interior use.

- ▶ Long working time, especially for pump application with fast readiness for covering
- ▶ Very high load capacity, e.g. for use in commercial and object areas
- ▶ Nearly tension-free
- ▶ Very good flow characteristics

TECHNICAL DATA:

Packaging	paper bag, big bag (on request)
Pack size	20 kg, 1000 kg
Shelf life	min. 9 months
Water quantity	4.25 - 4.5 litres per 20 kg bag
Color	light grey
Consumption	approx. 1.5 kg/m ² /mm thickness
Ideal application temperature	15 - 25 °C
Working time	approx. 40 minutes*
Ready for foot traffic	after approx. 3 hours*
Ready for covering	after approx. 8 hours*
Minimum application temperature	15 °C at ground level
Flow spread ring	approx. 155 mm ± 5 mm
Fire reaction	A1fl acc. to DIN EN 13 501-1

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



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 4.25 - 4.5 litres of cold, clear water into a clean container. Sprinkle in the contents of the bag (20 kg) while mixing vigorously 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	1.5 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

READY FOR COVERING:

Planned Top Layer	Layer Thickness	Ready for Covering
Textile and resilient floor coverings, wood flooring, ceramic tiles and natural stone	3 mm	approx. 8 hours*
	5 mm	approx. 12 hours*
	10 mm	approx. 24 hours*
	20 mm	approx. 3 days*

*At 20 °C and 65% relative humidity.

IMPORTANT NOTES:

- ▶ A shelf life of 9 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.
- ▶ Rooms without a basement underneath must be sealed against rising dampness in compliance with standards.
- ▶ 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, e.g. UZIN PE 360 PLUS as a intermediate primer and leave to dry, before applying subsequent coats. Subsequent application must not exceed the thickness of the previous one.
- ▶ For thicknesses above 10 mm and on moisture-sensitive substrates, use epoxy primers, such as UZIN PE 460, gritted.
- ▶ Prime fixed wooden floorboards and other jointing substrates with UZIN PE 630 or UZIN PE 650.
- ▶ For old mastic asphalt screeds, floating chipboard P4 - P7 or OSB 2 - OSB 4 boards, thicknesses up to max. 10 mm are allowed. Prime with water-free primers, e.g. UZIN PE 412 (2 coats), UZIN PE 460 or UZIN KR 410, sanded in each case.
- ▶ On sanded reaction resin primer, the minimum layer thickness is 3 mm.
- ▶ 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 wearing floor covering or wearing surface; always apply a top covering.
- ▶ Fine micro-dust is produced when sanding levelling compounds with Fusion technology. This dust must be extracted with a powerful industrial vacuum cleaner in order to create a good bond between the levelling compound, adhesive and 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.)