Product Datasheet

Bulk Fill levelling compound

UZIN NC 157 SP

Self-smoothing thick layer levelling compound with thicknesses from 3 to 50 mm

MAIN APPLICATION FIELD:

- Self-smoothing bulk filling levelling compound for the subsequent installation of most floor coverings including some wood flooring systems. For thicknesses from 3 to 50 mm (with aggregates up to 70 mm)

SUITABLE ON / FOR:

- Efficient standard self-levelling work
- Producing flat and smooth surfaces for the installation of textile, resilient, ceramic, and wood floor coverings
- Use as a self-levelling layer over existing hard surface flooring such as well bonded terrazzo, ceramic tile, stone and well bonded epoxy coatings
- calcium sulphate or cementitious screeds, concrete
- old screeds or concrete
- flooring-grade plywood, chipboard P4–P7, or OSB 2–OSB 4 (screw-fixed), conforming to current standards.
- existing ceramic and natural stone coverings, terrazzo or similar
- substrates with joints or critical substrates, e.g. precast screeds or screed boards
- wooden floorboards, wood flooring or any other wooden substrates with joints
- Use with radiant floor heating systems
- suitable for residential and commercial areas

PRODUCT BENEFITS/FEATURES:

UZIN NC 157 SP is a cost-effective bulk fill levelling compound. It is also low-stress even when applied at greater thicknesses and is pumpable. Excellent flow and working time properties produce level, flat surfaces with good absorbency. Many types of floor coverings can be installed after 24 hours*. For interior use.

- Green-Star Certified with a low VOC Content
- Long working time
- Greater jobsite Flexibility
- Excellent mixing properties (pumpable)
- Standard drying time

TECHNICAL DATA:

Compressive strength	25 MPA (C 25)
Flexural strength	F 7
Packaging	paper bag
Pack size	20 kg
Shelf life	min. 12 months
Water quantity	3.6 - 4.0 litres per 20 kg bag
Colour	grey
Consumption	approx. 1.7 kg/m²/mm thickness
Ideal application temperature	15 - 25 °C
Working time	20 - 40 minutes*
Ready for foot traffic	after 2-4 hours*
Ready for covering	after approx. 24 hours*
Minimum application temperature	10 °C at ground level
Flow ring spread	approx. 140 mm ± 5 mm
Fire reaction	A1flacc. to DIN EN 13 501-1

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

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APPLICATION EXAMPLE:

For layer thicknesses above 50 mm add 30% silica quartz sand 2-5 mm (6.0 kg sand / 20 kg powder)
Other blended aggregates can be used depending on thickness requirement. Please contact UZIN UTZ South Pacific technical services for further guidance.

REINFORCEMENT:
For additional strength and stability add UZIN Reinforcement Fibre (#11725) at 200 g / 20 kg bag of mixed compound.

SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from contaminants 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 as listed in the UZIN UTZ South Pacific Ltd. product guide according to the type and condition of the substrate. Allow any primer that is applied to dry completely. The technical datasheets for other products used must be observed. Contact UZIN UTZ South Pacific technical services for further guidance.

APPLICATION:

1. Put 3.6 - 4.0 litres of cold, clean potable water into a clean container. Sprinkle in the contents of the bag (20 kg) while power-mixing until a smooth and lump-free compound is achieved. Use a mixing device fitted with an UZIN Mixing Paddle.
2. Pour the compound onto the prepared substrate and spread evenly with an UZIN smoothing trowel or an UZIN screed rake. The flow and surface can be improved by removing air using an UZIN spiked roller. If possible, apply to the desired thickness in one coat (multiple coats can be applied with approved inter-coat priming system).
3. Allow applied compound to fully cure prior to the installation of floor coverings.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
3 mm	5.1 kg/m²	20 kg 3.9 m²
10 mm	17.0 kg/m²	20 kg 1.2 m²

READY FOR COVERING:

Layer thickness	Ready for Covering
3 mm	24 hours*

*At 20 °C and 65% relative humidity. Times will vary depending on thickness and climatic conditions. Please contact UZIN UTZ South Pacific technical services for further guidance.

IMPORTANT NOTES:

- A shelf life of minimum 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 the compound surface. Fit UZIN Foam Expansion Strips to any adjacent vertical Structures, perimeter walls and penetrations to prevent the ingress of the compound into the joints to allow for expansion and contraction.
- Applications of above 10.0mm on concrete must have a greater substrate surface profile created by course diamond grinding, milling, captive shot-blasting, shaving or scarifying. Can be pumped with continuous, forced-action mixer pumps. When applying in several coats, allow the compound to dry completely. Then apply UZIN PE 260 / UZIN PE 280 as an intermediate primer and leave to dry, before applying subsequent coats.
- The minimum thickness below pre-finished wood flooring is 3 mm. Pay particular attention to a sufficient drying of the levelling compound prior to installation of wood flooring. On moisture-sensitive substrates, use UZIN PE 414 BiTurbo / UZIN PE 460, epoxy moisture barrier. For new and existing mastic asphalt screeds please contact UZIN UTZ South Pacific technical service.
- 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 before applying the primer and compound. Leaving such compound layers open for more than 4 weeks under standard climate conditions (20 °C and 65% relative humidity) could propagate stress cracks and must therefore be avoided.
- Do not use as a screed or as a wear surface, a surface covering must be applied. Compounds must not enter between insulation and heating pipes because of the risk of corrosion. This applies in particular to heating pipes made from galvanized steel. Insulation may only be cut off after smoothing.

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 | 08/2026

- 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. NC 157 SP will not prevent or disguise the deformation of any substrate if any climatic conditions change and the substrate moves.

All installations must be compliant with the all AS/NZ industry standards.

SEALS OF QUALITY & ECOLABELS:

- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 PLUS / Very low-emission
- European Model EPD

COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. Regulation (EC) No. 1907/ 2006 (REACH). Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. Use protective gloves. When mixing wear a protective dust-mask. 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.

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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