

UZIN LC-45

Self-levelling cementitious levelling compound for thicknesses from 0 to 3 mm

Applications:

Levelling compound for levelling work on standard construction substrates. For the subsequent installation of textile and resilient floor coverings. Only for interior application.

Suitable for/on:

- ▶ Subsequent installation of textile and resilient floor covering such as textile flooring, PVC/CV floor covering
- ▶ Low wear in residential and commercial areas, e.g., in residential dwellings
- ▶ Hot water underfloor heating
- ▶ Loads from chair castors according to DIN EN 12529 from 1 mm compound thickness

Suitable for use on:

- ▶ Cementitious screeds, calcium sulphate screeds or concrete
- ▶ With old waterproof substrates waterproof with adhesive or compound residues adhering to them

Product benefits / features:

UZIN LC 45 is the ideal product for standard levelling in residential areas. It combines economy with good levelling results.

Composition: Special cements, mineral aggregates, polyvinyl acetate copolymers, liquefiers, and additives

- ▶ Good flow characteristics
- ▶ Very easy to sand

Technical Data:

Packaging:	Paper bag
Sizes:	25 kg
Storage:	minimum 6 months
Color liquid/dry:	Grey
Required water quantity:	approx. 6.0 liters per 25 kg bag
Consumption /coverage:	approx. 1.5 kg/m ² per mm thickness
Minimum working temperature:	10°C at ground level
Ideal working temperature:	15 – 25°C at ground level
Working time:	approx. 20 – 40 minutes*
Set to foot traffic:	after 3 hours*
Ready for covering:	after approx. 24 hours*
Fire classification:	A1fl acc. to DIN EN 13 501-1

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

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Substrate 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 off. Test the substrate in accordance with applicable standards and bulletins 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 off 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. Pour approx. 6.0 liters of cold, clean water into a clean container. Add sack contents (25 kg) into the water whilst stirring vigorously until a creamy and lump-free compound is obtained. Use agitator with the UZIN levelling compound stirrer.
2. Pour compound onto the substrate and spread uniformly with the smoothing trowel or the UZIN screed rake, notch size R 2. The flow and surface can be improved even more by aerating with the UZIN spike roller. Preferably apply the desired thickness in one application

Consumption Data:

Thickness	Consumption	Approx. coverage per 25 kg sack
1 mm	1.5kg / m ²	17 m ²
3 mm	4.5kg / m ²	6 m ²

Readiness for covering:

Thickness	Time
3 mm	24hours

*At 20°C and 65% relative humidity.

Important notes:

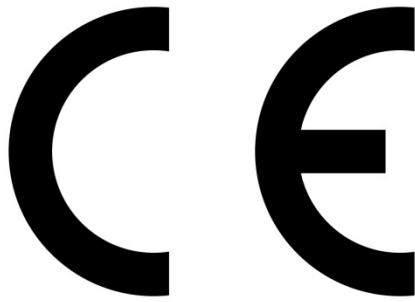
- ▶ Shelf life at least 6 months in original packaging when stored in dry conditions. Carefully and tightly reseal opened packaging and use the contents as quickly as possible.
- ▶ Optimum processing at 15-25°C and relative humidity below 65%. Low temperatures, high humidity, high thickness, non absorbent or blocked substrates will delay setting, drying and readiness for covering. High temperatures, low humidity and absorbent substrates 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 adjoining rising structures to prevent ingress of the compound into the connection joints.
- ▶ Not suitable for use on chipboard and OSB panels.
- ▶ Minimum thickness for resistance to castors is 1 mm. On non-absorbent substrates such as old screeds, a closed firmly adhering waterproof adhesive bed with a thickness of 2-3mm must generally be applied.
- ▶ When smoothing in several layers allow compound to dry completely, apply UZIN PE 421 as intermediate primer and smooth subsequently after drying. The second smoothed layer must not exceed the thickness of the first one.
- ▶ Do not use in exterior or wet areas.
- ▶ Protect freshly smoothed areas from draughts, direct sunlight, and sources of heat. Cementitious compound layers on soft or tacky substrates tend to form cracks. These soft or tacky layers must therefore be removed as much as possible before applying smoothing compounds. Leaving such compound layers open too long also promotes such cracking and should therefore be avoided.
- ▶ Do not use as wearing floor covering or wearing surface always apply a top covering.

Protection of the workplace and the environment:

Eye Dam. 1: H318 - Causes serious eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1B: H317 - May cause an allergic skin reaction. STOT SE 3: H335 - May cause respiratory irritation. Store out of reach from children! Wear nitrile-soaked cotton gloves. Wear protective dust mask when mixing. Ensure thorough ventilation during and after working/drying! Do not eat, drink, or smoke while working with the product. In the event of contact with the eyes or skin, rinse immediately with plenty of water. Do not dispose of into the sewer system, open water, or the soil. Clean 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. **Information for persons with allergies is available at +30 210 7793777 (Greece).**

Disposal:

Do not dispose of into the sewer system, open water, or the soil. Paper sacks can be recycled when emptied and free from any residues. Collect product residues, mix with water, allow hardening and disposing of as construction waste.



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UZIN Hellas-POLYCHIMIKI G. MATZIARIS S.A.

14th Km Old National Rd Thessaloniki-Veria
Industrial Park of Anchialos
GR 570 11 Thessaloniki, Greece

EN 13813:2002

Cementitious screed material for use internally in
buildings

EN 13 813:CT-C50-F7-AR2

Reaction to fire	NPD
Release of corrosive substances	CT
Water permeability	NPD
Water vapor permeability	NPD
Compressive strength CT	C50
Flexural strength	F7
Wear resistance	AR2
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD