

# UZIN NC 169

Subfloor preparation with the latest technology in self-levelling compound

## Description:

High performed, fast self levelling with extremely good flowing properties. Interior use only.

## Main field of application:

Industrial use, all kind of floorings and hard wood floorings

## Properties:

- ▶ Extremely smooth self levelling compound for commercial use
- ▶ For the use on new cement based subfloors
- ▶ For the use of renovation of old subfloors well well bonded adhesive residues
- ▶ For the use under chair castor wheels
- ▶ Use on warm water subfloor heating systems
- ▶ Producing a uniform and well absorbant subfloor for achieving a extremely good bonding result
- ▶ Contributing to EC1 R Plus

## Content:

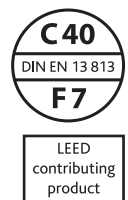
Plasticised dry cement mortar with finely graded fillers

## Composition: Special cements, mineral fillers, polyvinyl acetate copolymers, flow agents and additives.

- ▶ For a thickness up to 15 mm
- ▶ Superior properties
- ▶ Superior absorbency
- ▶ No need for sanding
- ▶ Low in stress - Ability to cover difficult substrates
- ▶ 16 h\* ready for application in - Accelerates floor covering installation
- ▶ Very high compressive and tensile strengths- Exceeds most flooring requirements for suitable surface
- ▶ Pumpable - Minimizes time and efforts



CE	
Uzin Utz Construction Materials (Shanghai) Co., Ltd. 3968 Huqingping Highway	
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EN 13 813 CT-40-F7 Superior self-levelling compound	
Fire resistance	A1fl
Compressive strength class	C40
Flexural strength class	F7



## Technical Data :

Packaging:	paper bag
Packsize:	25 kg
Shelf-life:	6 months
Water quantity required:	6.0 litres per 25 kg bag
Powder colour:	grey
Consumption:	approx. 1.4 kg / m <sup>2</sup> per mm of thickness
Working temperature:	min. 10 °C at floor level
Working time:	20 - 30 minutes*
Set to traffic:	after 2 - 3 hours*
Ready for covering:	after approx. 16 hours*
In Accordance with Chinese National Standard: JC / T985-2005	
Flow:	
Initial:	> 14.5 cm
After 20 minutes:	> 14.0 cm
Compressive Strength:	
After 1 day:	approx. 22.0 MPa
After 7 days:	approx. 34.1 MPa
After 28 days:	approx. 42.1 MPa
Flexural Strength	
After 1 day:	approx. 5.0 MPa
After 7 days:	approx. 6.1 MPa
After 28 days:	approx. 8.2 MPa
Adhesion Strength:	approx. 2.0 MPa
Shrinkage:	<0.07 %
VOC content:	<11.0 g / L

\*Under normal conditions at 20°C/65% relative humidity and 2 mm thickness.  
\*On concrete slab primed with UZIN PE360.

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## Subfloor Preparation:

The substrate must be sound, dry, free from cracks, clean and free from materials that would impair adhesion.

Test the substrate according to applicable standards and report any deficiencies.

Brush, abrade, grind or shot-blast any weak surface sections or areas which will not accept adhesion.

Thoroughly vacuum the surface and prime with a suitable primer from the UZIN Product Guide according to surface type and condition.

Allow primers to dry thoroughly. Refer to the Product Data Sheets for the products used.

## Application:

1. Put 6.0 litres of cold clean water into a clean container. Sprinkle in the bag contents whilst stirring briskly and mix to a thick - fluid, lump - free consistency. Use a drill or mixer fitted with a UZIN Mixing Paddle. Do not mix too thinly. The suggested mixing time is 3 minutes.
2. Pour out the mix onto the primed subfloor and distribute evenly with a smoothing trowel or the UZIN rake. Where possible, spread to the desired thickness in one operation. To improve flow and surface finish, the wet surface can be treated using the UZIN Spike Roller.

## Consumption:

Thickness	Consumption	Coverage per 25 kg sack
1 mm	1.4 kg / m <sup>2</sup>	17.9 m <sup>2</sup>
3 mm	4.2 kg / m <sup>2</sup>	6.0 m <sup>2</sup>
6 mm	8.4 kg / m <sup>2</sup>	3.0 m <sup>2</sup>
9 mm	12.6 kg / m <sup>2</sup>	2.0 m <sup>2</sup>

## Important Notes:

- ▶ Shelf life at least 6 months in original packaging when stored in dry conditions. Carefully and tightly re-seal 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 dense 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. Expansion strips are generally necessary for thicknesses over 5 mm. On wooden substrates the expansion strip must be completely removed after levelling work.
- ▶ Can be pumped with continuously mixing spiral pumps, e.g. from manufacturers such as m - tec, P.F.T. and others. Use subsequent agitator.
- ▶ The substructure of wooden floors must be dry to prevent damage due to dampness 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 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 – 3 mm must generally be applied.
- ▶ When smoothing in several layers allow compound to dry completely, apply UZIN PE 360 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:

Irritant. Contains cement which produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse thoroughly and immediately with water. In the event of skin or eye irritation, consult a doctor. When mixing wear a protective dust-mask. Use protective gloves. Presents no physiological or ecological risk when fully cured.

## Disposal:

Dispose of empty packaging according to local regulations. Collect waste material, mix with water and allow to harden, then dispose as Construction Waste.