

Cementitious system levelling compound

UZIN HYDRO LEVELSTAR

Levelling compound for use in the UZIN HydroBlock-System with moisture barrier effect for all floor coverings and multi-layer parquet for layer thicknesses of 3 - 10 mm

MAIN APPLICATION FIELD:

- ▶ levelling compound for use in the UZIN HydroBlock-System. For unheated cementitious screeds up to a residual moisture content of 5 CM-% / 98% RH (on heated screeds up to 2.5 CM-% / 85% RH). The moisture barrier effect is only achieved by installing the whole system (UZIN Hydro Primer 1 & 2, UZIN Hydro LevelStar).
- ▶ for the subsequent installation of resilient and textile floor coverings, as well as multi-ply wood flooring
- ▶ for layer thicknesses from 3 to 10 mm

SUITABLE ON / FOR:

- ▶ only in conjunction with the UZIN HydroBlock-System on cementitious screeds
- ▶ only in conjunction with the UZIN HydroBlock-System on concrete in upper floors or concrete slabs without rising moisture
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529
- ▶ suitable for residential, commercial and industrial areas



CE	
0761	
Uzin Utz SE	
Dieselstrasse 3	
89079 Ulm	
18	
01/01/0071.01	
EN 13813:2002	
Cementitious levelling compound for substrates in interior locations	
EN 13813: CT-C35-F6	
Reaction to fire	A2fl-s1
Release of corrosive substances	CT
Compressive strength	C35
Flexural strength	F6

PRODUCT BENEFITS/FEATURES:

UZIN Hydro LevelStar is final component in the UZIN HydroBlock-System. In combination with both UZIN Hydro Primer 1 and UZIN Hydro Primer 2, it helps protect against residual moisture in unheated cementitious screeds and concrete. The levelling compound must be installed at a minimum thickness of 3 mm. For interior use.

- ▶ adsorption of residual moisture due to the special pore structure
- ▶ excellent flowing properties
- ▶ high strength
- ▶ very smooth surface



TECHNICAL DATA:

Packaging	paper bag, Big Bag (on request)
Pack size	20 kg, 1000 kg
Shelf life	min. 9 months
Water quantity	5 litres per 20 kg bag
Color	grey
Consumption	1.6 kg/m ² /mm thickness
Working time	approx. 30 minutes*
Ready for foot traffic	after approx. 2 hours*
Ready for covering	see "Ready for covering"
Thickness	3 - 10 mm
Fire reaction	A2fl-s1 according to DIN EN 13 501-1

*At 20 °C and 65% relative humidity.



**LEVEL
PLUS+
EFFECT**

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 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 (primed with UZIN Hydro Primer 1 and 2) and spread evenly with a smoothing trowel or a screed rake R3. The flow and surface can be improved by removing air using a spike roller. If possible, apply to the desired thickness in one coat with a thickness of minimum 3 mm.

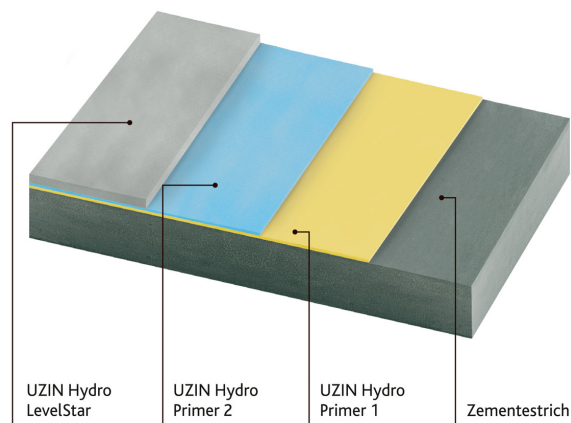
CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
3 mm	4.8 kg/m ²	4.2 m ²
5 mm	8.0 kg/m ²	2.5 m ²
10 mm	15.0 kg/m ²	1.3 m ²

READY FOR COVERING:

Layer thickness	Ready for Covering
3 mm	after 18 hours*
5 mm	after 24 hours*
10 mm	after 48 hours*

*At 20 °C and 65% relative humidity.



UZIN Hydro Primer 1:

- ▶ Adhesion to the substrate including bonding of dust
- ▶ Resistant against alkaline moisture
- ▶ HydroBlock Level 1

UZIN Hydro Primer 2:

- ▶ Adhesion to UZIN Hydro LevelStar
- ▶ Resistant against alkaline moisture
- ▶ HydroBlock Level 2

UZIN Hydro LevelStar:

- ▶ Blocking of remaining moisture due to its special pore structure
- ▶ Resistant against alkaline moisture
- ▶ HydroBlock Level 3

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.
- ▶ Do not use in exterior or wet areas.
- ▶ The moisture barrier effect is only achieved by installing the whole UZIN HydroBlock-System. UZIN Hydro LevelStar must be applied with a minimum thickness of 3 mm.
- ▶ Not suitable for constructions in contact to the soil and with rising moisture.
- ▶ Do not use as a screed or as a wear surface, a surface covering must always be applied.
- ▶ The compound 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.

- ▶ 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 as much as possible before applying the compound. Leaving such compounds open for too long also promotes such cracking and should therefore be avoided.
- ▶ Not suitable on water soluble adhesive residues or tackifiers, as well as on bitumen adhesive residues. Please look for suitable products in the UZIN Product Guide.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respect of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- ▶ Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- ▶ EMICODE EC 1 PLUS / Very low-emission
- ▶ DE-UZ 113 / Environmentally friendly because of low emissions

COMPOSITION:

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

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Contains cement low in chromate acc. Regulation (EC) No 1907/2006 (REACH). Keep out of reach of children! Keep children away from fresh product / installation material. Store in a dry and cool place. Once opened, immediately close packaging tightly. Wear nitrile impregnated cotton-gloves and long trousers. During mixing wear a suitable dust-mask and goggles. Thorough ventilation must be ensured during and after the installation and drying time of the product. Drinking, eating and smoking are prohibited during the installation. In case of eye contact, wash immediately with plenty of water and seek medical attention. Avoid prolonged skin contact with the product. After skin contact thoroughly rinse with water immediately. The longer the freshly mixed product remains on the skin, the greater the risk of serious skin damage. Do not allow dispersal into drains, sewers or ground. Rinse tools with water and soap immediately after use. Presents no physiological or ecological risk when fully cured. 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. 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.