

2-Component PU Levelling Compound

UZIN KR 410

Self-levelling, flexible, polyurethane levelling compound for any thickness

Description:

Heavy wear 2-component PU levelling compound for all mineral or deformable substrates in interior and exterior locations.

Particularly suitable for levelling and smoothing work on deformable or flexible surfaces such as:

- ▶ mastic asphalt and cold bitumen screeds, aggregated asphalt, rolles asphalt, etc.
- ▶ scrim-reinforced resilient underlays in sports flooring
- ▶ UZIN insulating underlays
- ▶ rubber-, PVC-, linoleum- and cork-flooring, wooden flooring, chipboards, dry screeds etc.
- ▶ metal surfaces, e.g. steel, aluminium, lead, etc.
- ▶ prior to laying rubber with UZIN KR 430 or UZIN KR 430 L in areas with heavy loading

System component for UZIN flooring adhesives UZIN KE 2000 S, UZIN KE 603, UZIN KR 430 (L), etc.

Suitable for all demands including industrial and areas with heavy loading.

Suitable for extreme wear areas, e.g. goods handling vehicles with loads up to 50 kp/cm² and also on warm water underfloor heating systems.

Product Properties / Benefits:

Liquid, two-component, reaction resin levelling compound produced by mixing Resin A and Hardener B. Sets quickly to a very level, smooth surface that is abraded before installing floor coverings with pressure-sensitive, contact or reaction resin adhesives. Acts as a barrier coat against plasticisers and surface water.



Binding agent: Polyurethane composed of polyolen and polyisocyanate (MDI).

- ▶ For any thickness
- ▶ Excellent flow property
- ▶ Water-free
- ▶ Flexible and elastic
- ▶ Completely shrink- and crack- free
- ▶ Non-absorbent
- ▶ High mechanical load capacity
- ▶ Solvent free

Technical Data:

Packaging:	metal combi-can
Packsize (A+B):	14 kg
Shelf life:	min. 12 months
Colour:	yellow-brown
Hazard characteristics:	see "Protection of the Workplace & the Environment"
Mixing ratio:	A : B = 6 : 1 parts by weight
Consumption:	approx. 1.6 kg / m ² per mm
Working temperature:	mind. 15 °C/59 °F at floor level
Pot life:	30 – 40 minutes *
Set to foot traffic / ready for covering:	after approx. 24 hours *
Final strength:	after 5 – 7 days *

* Under normal conditions at 20 °C/68 °F.

Substrate Preparation:

The substrate must be sound, free from cracks, permanently dry, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies.

As a special treatment, brush, abrade, grind or shot-blast to remove any soft or weakly bonded surface layers, e.g. soft screed edges, hard sinter, old adhesive, levelling compound, covering or paint residues. Abrade any dense, smooth or metal surfaces or chipboard. Thoroughly vacuum off loose material and dust.

Prime absorbent surface with 2-component Epoxy Reaction Primer UZIN PE 420 or, on concrete or substrates in contact with ground moisture, with 2-Component Epoxy Primer-Sealer UZIN PE 460. Refer to the Product Data Sheets for the products used.

Application:

1. Before use, bring the combi-can to room temperature. Punch several times through the plastic plug and floor of the upper container (Hardener B), e.g. with a long screwdriver. Allow the hardener to drain completely into the lower container (Resin A). Remove the empty upper container and thoroughly mix the components with suitable mixing equipment (spiral or propeller mixer). Ensure best possible mixing, especially around the floor and walls of the container. Decant the mixed material into a second, clean container and briefly mix again. Observe the limited pot-life.
2. Pour out the mix in sections onto the substrate and, with a smoothing trowel or finely notched trowel, e.g. Pajarito 46, evenly spread the material. On insulating and resilient underlays, before applying a smoothing coat, scratch-apply over joints and, if necessary, affix reinforcing tape.
3. Remove contamination with EP Thinners whilst still fresh. Hardened material can only be removed by mechanical means.
4. Ready for covering after approx. 24 hours. Immediately before installing the covering on adhesive, thoroughly sand with 60 grade grit-paper and vacuum off.

Consumption:

Thickness	Consumption	Approx. coverage per 14 kg can
1 mm	1.6 kg/m ²	9 m ²
2 mm	3.2 kg/m ²	4 m ²
3 mm	4.8 kg/m ²	3 m ²

Important Notes:

- ▶ Shelf-life minimum 12 months in original packaging when stored in cool, dry conditions. Optimum storage temperature is 10 – 20 °C/50 – 68 °F. Thickened Hardener B can no longer be used. Do not mix part quantities as open containers cannot be stored.
- ▶ Optimum working conditions are 18 – 25 °C/64 – 77 °F, floor temperature above 10 °C/50 °F. Low temperatures lengthen and high temperatures shorten the pot-life and setting time.
- ▶ The surface of the set material is smooth, shiny and completely dense; therefore, prior to installation of coverings with UZIN pressure-sensitive, contact or reaction resin adhesive, abrade the surface well.
- ▶ The following standards and notices are applicable and especially recommended: DIN 18 365 "Working with floor coverings"/DIN 18 356 "Working with parquet"/DIN 18 352 "Working with large and small format tiles"/publication of the Adhesives Industry Association "Assessment and preparation of subfloors – bonding resilient and textile floor coverings"/technical information 2/1990 issued by the Federal Association for Screeds and Coverings (BEB) "Assessment and preparation of the surface of anhydrite flow-screeds".

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Comp. A: Requires no special protection or precautions in general use. Comp. B: Harmful. Contains diphenylmethane-diisocyanate. Harmful on inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, presents no physiological or ecological risk.

Disposal:

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.