

2-Component PUR Levelling Compound

UZIN KR 410

Self-levelling, flexible polyurethane floor levelling compound for all thicknesses

MAIN APPLICATION FIELD:

- ▶ filling, smoothing and levelling of non absorbent and deformable substrates for the subsequent installation of all types of floor coverings

SUITABLE ON / FOR:

- ▶ mastic asphalt and cold bitumen screed
- ▶ fine concrete, rolled asphalt or similar
- ▶ UZIN insulating and installation underlays, fabric-reinforced resilient underlays in sports halls
- ▶ existing floor covering and substrates (e.g. rubber, linoleum, cork, wood, dry screeds)
- ▶ metal substrates (e.g. steel, aluminium, plumb)
- ▶ as a decoupling primer (gritbinded) on problematic substrates prior to installation with UZIN cement or calcium sulphate levelling compounds
- ▶ as a system component below UZIN KE 2000 S, UZIN KE 603, UZIN KE 68, UZIN KR 430, UZIN MK 92 S or similar
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529 from 1 mm thickness
- ▶ suitable for residential and commercial areas, e.g. hospitals, busy shopping malls, industrial halls



PRODUCT BENEFITS/FEATURES:

UZIN KR 410 is a 2-component PUR levelling compound for use on several types of substrates. It is ideal for heavy duty requirements as it compensates for movements of the substrate. For interior use.

- ▶ excellent flow properties
- ▶ for any layer thickness
- ▶ flexible and elastic
- ▶ shrink and crack-free



TECHNICAL DATA:

Packaging	plastic combi can
Pack size	10 kg
Shelf life	min. 12 months
Mixing ratio	A:B = 6:1 parts per weight
Color, wet	yellow-brown
Color, dry	yellow-brown
Consumption	approx. 1.6 kg/m ² /mm thickness
Working time	30 - 40 minutes*
Pot life	30 - 40 minutes*
Ready for foot traffic	after approx. 24 hours*
Ready for covering	after approx. 24 hours*
Minimum application temperature	15 °C at ground level
Final strength	after 5 - 7 days*

*At 20 °C and 65% relative humidity



SUBSTRATE PREPARATION:

The substrate must be sound, load-bearing, dry, free from cracks and free from materials (dirt, oil, grease) that would impair adhesion. 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. Prime very absorbent or humid substrates with UZIN PE 414 BiTurbo or UZIN PE 460. Allow any primer that is applied to dry completely.

The datasheets for other used products have to be observed.

APPLICATION:

1. Before use, allow the adhesive to come to room temperature. Mix components A and B as described on the packaging. Ensure good mixing especially in the bottom and wall area of the container since poorly mixed material does not cure.
2. Pour the compound partwise onto the substrate and spread evenly with a smoothing trowel or a screed rake.
3. Clean tools immediately after use considering the recommended safety measures. Hardened material can only be removed mechanically.
4. The compound is ready for covering after approx. 24 hours*. Grind the surface with abrasive paper (60) prior to installation of floor coverings.

*At 20 °C and 65% relative humidity.

CONSUMPTION INFORMATION:

Layer Thickness	Approx. Consumption	Size / Coverage
1 mm	1.6 kg/m ²	10 kg / 6 m ²
2 mm	3.2 kg/m ²	10 kg / 3 m ²
3 mm	4.8 kg/m ²	10 kg / 2 m ²

IMPORTANT NOTES:

- ▶ A shelf life of 12 months when stored in dry conditions, in the original packaging.
- ▶ Best applied between 15 - 25 °C and relative humidity below 65%. Low temperatures will delay the setting and drying time. Whilst high temperatures will accelerate setting, drying and readiness for covering.
- ▶ Do not mix part quantities!
- ▶ Do not use in exterior or wet areas.
- ▶ Do not use as a wear surface, a surface covering must always be applied.
- ▶ Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring and floor covering in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

SEALS OF QUALITY & ECOLABELS:

- ▶ Solvent-free
- ▶ EMICODE EC 1 PLUS / Very low emission

COMPOSITION:

Polyurethane composed of polyols and polyisocyanate.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Non flammable. Comp. A: Requires no special protection or precautions in general use. Comp. B: Contains diphenylmethane-diisocyanate (MDI). Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. 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.

DISPOSAL:

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.