PRODUCT DATA SHEET

Rapid Drying

2-Component Trowel-Applied Primer

UZIN PE 630

Dispersion-Cement Primer-Filler

Description:

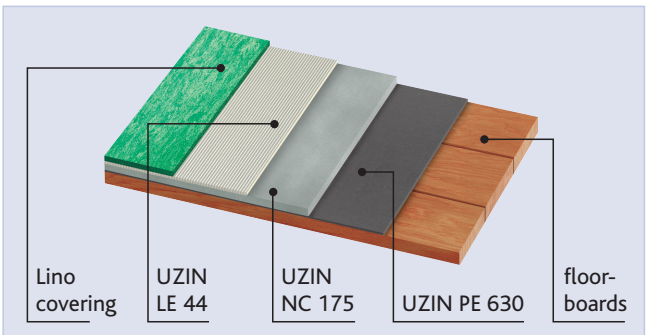
Very rapid drying, 2-component, dispersion-cement primer with paste consistency for substrates in renovation work prior to all types of preparation with cement or calcium sulphate levelling compounds. Interior use only.

Suitable for / on:

- priming of problematic old surfaces prior to application of levelling compounds
- rough or sanded wooden floorboards, chipboard V 100, OSB boards, wood flooring or other jointed wooden substrates
- substrates with well-bonded, waterproof or bituminous residues of adhesives or levelling compounds
- un-gritted mastic asphalt
- coatings that have been matt-sanded
- dense and smooth substrates or old floor finishes such as, e. g. well-bonded ceramics and natural stone, terrazzo
- magnesia- and stone-wood-screeds, UZIN Multimoll Top 9 / Top 15 boards
- heavy wear in domestic, commercial and industrial locations
- warm water underfloor heating systems
- exposure to castor wheels in accordance with DIN EN 12 529
- as a system component in high-speed construction

Product Properties / Benefits:

Polymer dispersion with a water-binding powder component. When mixed, produces a primer with paste consistency, good filling capacity and excellent application- and user-properties. UZIN PE 630 provides confidence due to its



exceptional speed, high flexibility and maximum adhesion to the substrate or to mineral-based levelling compounds. It sets hydraulically, fills, seals and smoothes the substrate, dries "semi-flexible" and can, therefore, accommodate movement in the substrate.

Composition: Modified styrol copolymers, special cements, mineral aggregates and additives.

- Fills, seals and smoothes in one application
- For application thickness up to 1 mm
- Sets hydraulically
- Flexible and ductile when set
- Excellent adhesion
- High-speed construction product
- Low chromate content (powder component)
- Solvent-free (dispersion component)
- EMICODE EC 1 R PLUS / Very low emission

Technical Data:

Packaging:	plastic drum containing plastic canister and paper sack
Packsize:	16 kg combined unit
Shelf life:	min. 6 months
Colour (A+B) liquid / dry:	light grey / dark grey
Mixing ratio:	A : B = 3 : 5 parts by weight
Pot life:	50 – 60 minutes*
Consumption:	100 – 600 g/m²
Working temperature:	min. 15 °C / 59 °F at floor level
Drying time, ready for coating after:	40 – 120 minutes*

*At 20 °C / 68 °F and 65 % relative humidity with a maximum thickness of 1 mm. See also "Applications Chart"

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UZIN PE 630

Substrate Preparation:

The subfloor must be sound, load-bearing, dry, free from cracks, clean and free from materials (dirt, oil, grease) that would impair adhesion. Test the subfloor in accordance with applicable standards and notices and report any deficiencies. Brush, abrade, grind or shot-blast to remove any weakly bonded or soft surface sections, e.g. separating agents, loose residues of adhesives, levelling compounds, coverings or paints, etc. Thoroughly vacuum to remove loose material and dust. Test well-bonded residues of adhesives and levelling compounds to ensure they are waterproof. If not waterproof (water test: adhesive bed dissolves with short-term exposure to water) use the water- and solvent-free 2-Component Epoxy Primer-Sealer UZIN PE 460. Always allow primers to dry thoroughly. Refer to the Product Data Sheets for other products used.

Application:

1. The original 16 kg container is designed to serve as the mixing container. Take the dispersion and powder components out of the original container. Pour out the dispersion component A into the original 16 kg container, sprinkle in the powder component B whilst stirring vigorously and blend to a lump-free mix. Mix thoroughly for several minutes using a basket mixer attachment. Only mix as much primer as can be applied within approx. 60 minutes.
2. Apply a thin coat of UZIN PE 630 using a smoothing trowel.
3. To make filling of jointed substrates easier, up to 10 kg of UZIN NC 182 can be added per 16 kg container of mix.

Applications Chart:

Allow the primer to dry until it will accept foot traffic and the colour changes from light grey to dark grey.

If applying calcium sulphate levelling compound to a thickness of more than 5 mm, a drying time of 12 hours for the primer must be observed.

Substrate	Consumption	Drying Time
Chipboard, wooden sub-strates, old wood flooring, UZIN Multimoll Top boards	100 – 300 g/m²	40 – 60 min.*
Well-bonded, waterproof adhesive residues	100 – 300 g/m²	40 – 60 min.*
Un-gritted mastic asphalt, coatings, natural stone flooring, ceramics, terrazzo, magnesia- and stone-wood-screeds	100 – 300 g/m²	90 – 120 min.*
Heavily jointed substrates (addition of UZIN NC 182 is possible)	300 – 600 g/m²	90 – 120 min.*

*At 20 °C/68 °F and 65 % relative humidity with a maximum joint width of 1 mm with no material added to the primer.

Important Notes:

- Shelf life minimum 6 months in original packaging when stored in relatively cool conditions. Protect from frost. Carefully and tightly reseal opened containers and use the contents as quickly as possible.
- Optimum working conditions are 15 – 25 °C/59 – 77 °F, floor temperature above 15 °C/59 °F and relative humidity below 75 %. Low temperatures and high humidity lengthen, and high temperatures and low humidity shorten the drying time.
- On heavily jointed substrates, up to max. 10 kg of UZIN NC 182 can be added per 16 kg container.
- Do not use outdoors or in wet areas.
- If applying a levelling coat of more than 10 mm thickness, epoxy-resin primers such as gritted UZIN PE 460 are preferable – alternatively, obtain technical advice.
- If applying a calcium sulphate levelling coat of more than 5 mm thickness, a longer drying time for the primer is required. See "Applications Chart".
- Not suitable on water-soluble adhesive residues (e.g. sulphite adhesives) or fixatives. Here, use gritted UZIN PE 460.
- UZIN PE 630 mixed with UZIN NC 182 can, on suitable substrates, be used as a base for direct adhesion of textile floor coverings.
- The following standards and notices are applicable and especially recommended:
  - DIN 18 365 "Working with floor coverings"
  - DIN 18 356 "Working with wood flooring and wood-blocks"
  - DIN 18 352 "Working with tiling and natural stone"
  - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring installation"
  - BEB publication "Assessment and preparation of surfaces"

Protection of the Workplace and the Environment:

Dispersion component A:
Solvent-free. Non-flammable. Requires no special protection or precautions in general use. Use of barrier cream and ventilation of the work area are recommended.

Powder component B:
Contains cement low in chromate acc. Regulation (EC) No 1907/2006 (REACH). Cement produces strong alkaline on reaction with water. Avoid contact with skin and eyes. In the event of contact, rinse immediately with water. In the event of skin or eye irritation, seek medical advice. When mixing wear a protective dust-mask. Use protective gloves.

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.

Disposal:

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