

# PRODUCT DATA SHEET



2-Component Trowel-Applied Primer

# UZIN PE 630

Dispersion-Cement Primer-Filler

## Description:

UZIN PE 630 is a very rapid drying 2-component dispersion/cement primer with paste consistency for substrates in renovation work. Due to its "semi-flexible" properties the primer can accommodate movement in the substrate perfectly. For interior use.

### As a bonding primer:

- ▶ on critical existing surfaces, on well-bonded, waterproof residues of adhesives or levelling compounds (e.g. synthetic resin, neoprene or dispersion adhesives)
- ▶ on dense substrates with low absorbency (e.g. stone floors and ceramics, water-resistant coatings, epoxy coverings)
- ▶ on existing or ungritted mastic asphalt
- ▶ on magnesia- and stonewood screeds and on UZIN Multimoll Top 4/7/12
- ▶ on rough sanded wooden floorboards, chipboard P4 – P7, OSB-2 to OSB-4 boards, wood flooring or other jointed wooden substrates
- ▶ prior to levelling work with UZIN cement- and calcium sulphate-levelling compounds
- ▶ on coatings that have been matt-sanded
- ▶ as a rapid construction system component
- ▶ on warm water underfloor heating system
- ▶ for exposure to castor wheels in accordance with DIN EN 12 529
- ▶ for heavy wear in domestic, commercial and industrial locations



## Product Benefits / Properties:

UZIN PE 630 impresses by exceptional speed, high flexibility and maximum adhesion to the substrate.

Composition: Aqueous polymer dispersion, special cements, mineral aggregates and additives.

- ▶ Fills, seals and smoothes in one application
- ▶ Sets hydraulically
- ▶ For application thickness up to 1 mm
- ▶ Flexible and ductile when set
- ▶ Low chromate content according to EU-VO 1907/2006 (REACH) (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. 9 months
Colour liquid / dry:	light grey / dark grey
Mixing ratio:	A : B = 3 : 5 parts by weight
Pot life:	50 – 60 minutes*
Consumption:	100 – 600 g/m <sup>2</sup>
Working temperature:	min. 15 °C / 59 °F at floor level
Drying time:	40 – 120 minutes*

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



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## Substrate Preparation:

The substrate must be sound, load bearing, dry, free from cracks, clean and free from materials which would impair adhesion (e.g. dirt, oil, grease). The substrate must be tested in accordance with applicable standards and bulletins and any deficiencies must be reported.

Any weakly bonded or soft surface sections (e.g. separating agents, loose residues of adhesives, levelling compounds, coverings or paints) have to be removed by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum to remove loose material and dust. Always allow the primers to dry completely (colour changes from light grey to dark grey).

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.

## Application Chart:

Substrate	Consumption	Drying Time
Chipboard, wooden substrates, old wood flooring, UZIN Multimoll Top boards	100–300 g/m <sup>2</sup>	40–60 min.*
Well-bonded, waterproof adhesive residues	100–300 g/m <sup>2</sup>	40–60 min.*
Un-gritted mastic asphalt, coatings, natural stone flooring, ceramics, terrazzo, magnesia- and stone-wood-screeds	100–300 g/m <sup>2</sup>	90–120 min.*
Heavily jointed substrates	300–600 g/m <sup>2</sup>	90–120 min.*
Prior to work with calcium sulphate levelling compounds	depends on substrate (see above)	12 hours*

\* 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:

- ▶ Minimum shelf-life 9 months in original packaging and in cool and dry storage conditions. Over time the length of storage may also cause an extension to the setting and drying time. The performance of the cured material is not affected. Tightly seal opened packaging and use the contents as quickly as possible.
- ▶ Optimum work conditions are 15 – 25 °C, floor temperature above 15 °C / 59 °F and relative air humidity below 75 %. Low temperatures and high air humidity lengthen, whilst high temperatures and low air humidity shorten the drying time.
- ▶ If applying a levelling coat of more than 10 mm thickness, epoxy resin primers such as gritted UZIN PE 460 or PE 480 have to be used.
- ▶ Not suitable for use on water-soluble adhesive residues (e.g. spent sulphite adhesives) or fixatives. Please look for suitable products in the UZIN product overview.
- ▶ On heavily jointed substrates, up to max. 5 kg of UZIN NC 182 can be added per 16 kg container (except wooden substrates).
- ▶ The following standards, regulations and publications are applicable and especially recommended:
  - DIN 18 365 "Working with floor coverings"
  - DIN 18 356 "Working with wood flooring"
  - TKB publication "Assessment and preparation of substrates for floor covering and wood flooring work"
  - BEB publication "Assessment and preparation of subfloors"

## 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.

EMICODE EC 1 R PLUS – very low emission. Within the scope of current knowledge, gives off no emissions of formaldehyde, hazardous materials or volatile organic compounds (VOC).

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.