

1-Component Flex Trowel-Applied Primer

# UZIN PE 650

Cement based dispersion primer and filler

**MAIN APPLICATION FIELD:**

- ▶ primer for existing substrates requiring refurbishment or on substrates with joints

**SUITABLE ON / FOR:**

- ▶ critical substrates requiring refurbishment, on well-bonded, waterproof residues of adhesives or compounds (e.g. synthetic resin, neoprene, bitumen or dispersion adhesives residues)
- ▶ dense or low absorbent substrates (e.g. stone floors and ceramic tiles, water-resistant coatings, epoxy coatings)
- ▶ old or ungritted mastic asphalt screeds
- ▶ UZIN Multimoll Top 4 / 7 / 12
- ▶ raw or grinded wooden floorboards, P4 - P7 and OSB 2 - OSB 4 boards, wood flooring or other wooden floors with joints
- ▶ prior to installation with UZIN cement or calcium sulphate levelling compounds
- ▶ matt grinded coatings
- ▶ warm water underfloor heating systems
- ▶ exposure to castor wheels in accordance with DIN EN 12 529
- ▶ suitable for residential, commercial and industrial areas



**PRODUCT BENEFITS/FEATURES:**

UZIN PE 650 is a very rapid drying, cement-based 1-component trowel-applied primer for existing substrates requiring refurbishment. Due to its "semi-flexible" properties the primer can accommodate movement in the substrate. For interior use.

- ▶ fills, seals and smoothes in one application
- ▶ sets hydraulically
- ▶ application thickness up to 4 mm
- ▶ flexible when set
- ▶ up to 25% more coverage compared to UZIN PE 630
- ▶ roller and trowel application



**TECHNICAL DATA:**

Packaging	paper bag with carrier handle
Pack Size	16 kg
Shelf Life	min. 12 months
Colour, wet	grey
Colour, dry	light grey
Consumption	80 - 480 g/m <sup>2</sup>
Working Time	25 - 30 minutes*
Drying Time	30 - 90 minutes*
Minimum Application Temperature	15 °C at ground level

\*At 20 °C and 65% relative humidity with max. layer thickness of 4 mm. See application chart.



## 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. Allow the primer to dry completely. The datasheets for other used products have to be observed.

## APPLICATION:

- Mix UZIN PE 650 with water to the desired consistency. The correct water quantity for 16 kg is 4 - 4.6 litres. However, as partial quantities are usually mixed, 250 - 290 ml of water have to be used for 1 kg powder. Put cold, clear water into a clean container. Sprinkle in the powder while mixing vigorously until a smooth and lump-free compound is obtained. Mix only as much mortar as can be applied within the working time of approx. 25 - 30 minutes\*.
- Apply a thin coat of UZIN PE 650 using a smoothing trowel.
- Clean tools with water after use.

## APPLICATION CHART:

Foundation / Application	Consumption	Drying Time
Chipboard, wooden substrates, UZIN Multimoll Top plates	80 - 280 g/m <sup>2</sup>	30 - 60 minutes*
Well-bonded, waterproof residues of adhesives	80 - 240 g/m <sup>2</sup>	30 - 60 minutes*
Coatings, natural stone, ceramics, terrazzo, magnesia and xylolite screeds	80 - 240 g/m <sup>2</sup>	60 - 90 minutes*
Substrates with joints	240 - 480 g/m <sup>2</sup>	60 - 90 minutes*
Prior to installation with calcium sulphate levelling compounds	depending on the substrate (see above)	12 hours*

\*At 20 °C and 65% relative humidity with max. thickness of 4 mm.

## IMPORTANT NOTES:

- A shelf life of 12 months when stored in moderately cool 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, with the floor temperature above 15 °C and relative air humidity below 75%. Low temperatures and high air humidity lengthen the drying time. Whilst high temperatures and low air humidity shorten the drying time.
- For subsequent coats or thicknesses above 10 mm, epoxy resin primers such as UZIN PE 460, gritted must be used.
- Not suitable as a primer for direct bonding of wood flooring, as well as the installation of floor coverings with 1-comp. reaction resin adhesives.
- For subsequent installations of levelling compounds and the installation of wood flooring, please use UZIN 2-comp. reaction resin adhesives or UZIN MK 250.
- When applying UZIN PE 650 by a roller, mix 16 kg of powder with 6.2 litres of water (approx. 390 ml per kg).
- Not suitable for use on water-soluble adhesive residues (e.g. sulphite adhesives) or tackifiers. Please look for suitable products in the UZIN Product Guide.
- On heavily jointed substrates, up to max. 5 kg of UZIN NC 182 can be added per 16 kg container (except on wooden substrates).
- 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:

- Low chromate content acc. Regulation (EC) No. 1907/2006 (REACH)
- EMICODE EC 1 PLUS / Very low emission

## COMPOSITION:

Special cements, mineral aggregates, redispersible polymers and additives.

## PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

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. Use protective gloves. When mixing wear a protective dust-mask. 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 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.