

Universal Primer

UZIN PE 520

Additive and wet primer for cement levelling compounds

MAIN APPLICATION FIELD:

- ▶ special dispersion additive for UZIN cement-based levelling compounds
- ▶ improvement and plasticizing bonding slurries made from cement and sand, repair mortars and renders

SUITABLE ON / FOR:

- ▶ bituminous substrates, e.g. mastic asphalt, pitchmastic, rolled asphalt, fine concrete asphalt
- ▶ existing surfaces with well-bonded adhesive and smoothing compound residues
- ▶ warm water underfloor heating systems

**PRODUCT BENEFITS/FEATURES:**

UZIN PE 520 is a synthetic resin dispersion that is added to the mixing water for cement levelling compounds and mortars. Makes the fresh mortar more plastic with better adhesive and wetting power; after setting, gives greater reliability against cracking and spalling; improves the bond strength and flexibility. When diluted with water, also used as a wet primer prior to applying levelling compounds to bind dust, reduce surface absorbency and increase bond strength, etc.

- ▶ Plasticizer for levelling compounds
- ▶ Diluted with water as a wet primer
- ▶ Increases flexibility and bond strength
- ▶ Reduces stress- and shrinkage- cracks
- ▶ Neutral odour

TECHNICAL DATA:

Packaging	plastic canister
Pack size	5 kg
Shelf life	min. 12 months
Colour, wet	white
Colour, dry	transparent
Consumption	as an additive: 1.5 kg per 25 kg bag as a diluted primer: 30 - 50 g/m ²

SUBSTRATE PREPARATION:

As an additive:

See the Product Data Sheet for the UZIN cement levelling compound to be used.

As a primer:

The substrate must be sound, dry, free from cracks, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards and notices and report any deficiencies. Brush, abrade or shot-blast to remove any soft or weakly bonded areas. Thoroughly vacuum off the surface.

APPLICATION:

As an additive:

For each UZIN levelling compound, a specific mixing water quantity is prescribed (see the Product Data Sheets / packaging label). As a rule, 6 to 8 litres of water per 25 kg sack of powder is required. For plasticizing, part of this water is replaced with UZIN PE 520 as follows:

Instead of 6 litres of water:

5 litres of water and 1.5 kg UZIN PE 520

Instead of 7 litres of water:

6 litres of water and 1.5 kg UZIN PE 520

Instead of 8 litres of water:

7 litres of water and 1.5 kg UZIN PE 520

1. Thoroughly mix the reduced cold water quantity and the UZIN PE 520 in a clean mixing container.
2. Sprinkle in the contents of the sack (25 kg) whilst stirring vigorously and blend to a lump-free mix. Use a suitable drill with UZIN Levelling Compound Mixer.
3. The consistency of the levelling compound with additive is somewhat thicker and stickier than without. As required, make a little thinner by adding a small amount of water. Under no circumstances mix too thin.
4. Apply the levelling compound with additive as detailed in the Product Data Sheets for the product.
5. Clean tools with water immediately after use.

As a primer on absorbent substrates:

According to surface absorbency, dilute with 2 to 3 parts by weight or volume. Then apply a full and even coat onto the surface using a foam or velour roller. Levelling compounds can be laid wet-in- wet without waiting for primer to dry.

CONSUMPTION:

as a primer diluted 1:2	approx. 50 g/m ²
as a primer diluted 1:3	approx. 30 g/m ²
as an additive per 1 mm levelling compound thickness	approx. 80 g/m ²

IMPORTANT NOTES:

- Shelf-life minimum 12 months in original packaging when stored in relatively cool conditions. Protect from frost. Tightly re-seal opened containers and use as quickly as possible.

- Optimum working conditions are 15 – 25 °C/59 – 77 °F, floor temperature above 15 °C/59 °F, relative humidity below 75 %. Low temperatures and high humidity delay setting, drying and readiness for covering. High temperatures and low humidity shorten the working time for levelling compounds; therefore, in summer, use the coldest possible water.
- UZIN levelling compounds are fully, qualitatively prescribed for their relevant applications and usually require no additional improvement. It is required or recommended if applying levelling compound onto substrates with less than calculable deformation property, e.g. on mastic asphalt, old substrates etc.
- UZIN PE 520 is a component of the System "Primary deck covering", consisting of UZIN NC 170, UZIN PE 520, UZIN PE 460 and UZIN Quartz Sand 0.8. This system is certificated by the "See-Berufsgenossenschaft" Hamburg to meet the requirements of Marine Equipment module B and module D. Certificates are available on request. The admitted thickness is 8 mm. USCG-No. module B 164.106/EC0736/113.069.
- Refer to the Product Data Sheet for the UZIN levelling compound to be used and the applicable standards and notices listed therein, e.g. DIN 18 365 "Working with floor coverings", BEB publication "Assessment and preparation of surfaces".
- Example for a plasticised mortar: a multipurpose repair mortar is obtained by combining 4 parts by weight Portland cement and 2 to 3 parts by weight 0 – 3 mm sand, blended to the desired consistency with a mixture of 1 part by weight UZIN PE 520 and approx. 3 parts by weight of water.

SEALS OF QUALITY & ECOLABELS:

- Solvent-free

COMPOSITION:

Polymer dispersion, preservation agents, additives and water.

PROTECTION OF THE WORKPLACE AND THE ENVIRONMENT:

Solvent-free. Use of barrier cream and ventilation of the work area are recommended. When fully dried, has a neutral odour and presents no physiological or ecological risk. 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. 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.