

TECHNICAL DATA SHEET No. 271

Aqua-Isogrund



I. Product

einZA Aqua-Isogrund is a covering special primer for outside and inside application with insulating effect against bleeding of coloured (water dilutable) wood components in case of tropical and domestic woods and against colour changes of covering coatings in case of woods boiler pressure impregnated with salt solutions or creosotes.

For blocking, covering priming of wood, hardboard, plaster (mortar group II and III) and concrete with good insulating effect in case of soot, bitumen, foxing, nicotine (creosotes) etc.

Type of material	insulating universal primer
Application purpose	covering insulating primer for wood, hardboard, plaster, concrete etc.
Colour shade	white
Degree of gloss	matt
Specific weight	approx. 1.32 = 1,320 g/l
Binder basis	styrol-acrylate-copolymer dispersion
Product group ref. VdL-R01	primer, water dilutable
Pigment basis	titanium dioxide and special fillers
Package sizes	2.5 l - 750 ml

II. Properties and working instructions

Coverage / Adhesion / Weather resistance / Elasticity	fulfils the requirements of the DIN and VOB conditions
Insulating effect	very good
Compatibility	do not mix with other type of material

Processing



Processing notices	Do not process under + 5°C (object and outside temperature) and a rel. humidity over 85 %
Dilution	undiluted – ready to use
for brushing	For spreading einZA Aqua-Isogrund can be diluted up to max. 5 % with water if necessary
for rolling	undiluted, with brush or surface applicator with orel-mix bristle
	undiluted, with flocked moltopren roller
Spraying (high pressure)	1.5 mm nozzle, spraying pressure 3 - 4 bar
Spraying (airless)	suitable for piston and diaphragm pistols
Spreading rate	10 - 12 m ² /l = 85 - 100 ml/m ² depending on the surface
Drying (20 °C, 65 - 75 % rel. air humidity, 100 µm wet film)	touch proof after approx. 30 minutes

P.T.O.!

Processing

Recoatible	after approx.. 4 hours (as insulating coating after drying over night)
Cleaning of tools	immediately after use with water and soap
Storage	protected against frost, opened containers have to be closed thoroughly

III. Properties resp. application technique

einZA Aqua-Isogrund insulates foxing, smoke, soot and nicotine stains (creosotes) on wooden surfaces, gypsum, plaster and masonry etc.

Because of the versatile application please check with trial coat if a sufficient insulating effect is given.

The surface has to be clean, dry and free of grease. Loose parts have to be removed.

In case of water spots or efflorescences pollutions have to be brushed off thoroughly with a hard, dry brush before applying the insulating coating with einZA Aqua-Isogrund; no wet cleaning at all as the ingredients will be activated again.

The wood moisture may not exceed 13 % in case of true to size wood elements and in case of limited and not true to size wood elements 15 %.

Generally, a sufficient blocking insulation will be reached with one coating.

In case of surfaces being rich in ingredients a second coating may be necessary.

Coating structure

- 1-2 insulating prime coats with einZA Aqua-Isogrund.
- Intermediate and final coating inside with water-dilutable einZA Acryl-PU or hydroALKYD-lacquers or with einZA Innendispersionen (wall paint).
- Intermediate and final coating outside with water-dilutable einZA Acryl-PU or hydroALKYD-lacquers, with einZA Holz-Color or einZA Außendispersionen (façade paint).

Notice regarding water damage:

Water soaks masonry or plaster and activates ingredients from the substrate and transports these to the surface. Thereby also coloured oxides (red-brown iron oxides) and salts (for example lime salts) will be broken free. After evaporation of the water the residues of these substances are distinctly and visibly on the surface. They will be activated and etched again and spots will be visible within the coating in case of renovation coatings or new coatings with waterbased products without insulating priming

In this case we strongly recommend checking with a trial coat if a sufficient insulating effect is given.

IV. Safety advice and labeling

GIS code (product code)	M-GP01
Flash point	not applicable, non-flammable

The product is subject to the Ordinance on Hazardous Substance.

All necessary indications are contained in the Safety Data Sheet regarding CLP regulation (GHS) and according EC regulation no. 1272/2008. Available at www.einzA.com at any time or to be requested using sdb@einzA.com.

Labeling on the packaging have to be considered!

VOC-content regarding enclosure II of the VOC guideline 2004/42/EG

VOC limit value enclosure II A (sub-category g)
Wb: max. 30 g/l reg. level II (2010)
VOC-content of einZA Aqua-Isogrund < 15 g/l

The previous information has been conscientiously compiled according to the present state of knowledge of test technology and should serve as a guideline. Due to the multitude of uses and working methods, it is non-binding, does not establish any contractual legal relationship and does not release the consumer from his own responsibility of checking our products himself. Otherwise, our conditions of delivery and payment apply. **Issued 06/2017**; with this, all previous specification sheets are invalid.