



Globally Proven  
Construction Solutions

# LEVELEX®-ECO BARRIER

Innovative silicate impregnation and densifier that protects against penetrating moisture in masonry and concrete. For use with self-leveling wear surfaces.

## FIELDS OF APPLICATION

- for indoor and outdoor use
- for impregnation of porous, absorbent and sandy surfaces like concrete, screed, masonry and other cementitious substrates
- for preparation of hydrophobic surfaces
- permanent protection against ground water, salt water and strong chemical stress
- as sealant against penetrating moisture on walls
- suitable in areas with high mechanical and chemical stress

## CERTIFICATIONS



**EN 1504-2:2004**

Surface protection product – Hydrophobic impregnation

**EN 1504-2: ZA.1a**

Innovative silicate impregnation and subsoil consolidation protects against penetrating moisture in masonry and concrete.

## MANUFACTURER

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## MAIN FEATURES

- **Silicate-Technology**
- **Environmentally friendly**
- **VOC – and APEO-free**
- **Water vapor permeable**
- **Densifies the substrate and increases chemical resistance**
- **Reduces surface abrasion**
- **Protects against penetrating water in case of cracking**
- **Odorless**

### Suitable Substrates

- Concrete
- Screed
- Masonry
- Cementitious substrates

### Packaging

30 liters or 5 liters

### Approximate Coverage

0.15 – 0.4 kg per m<sup>2</sup>, depending on substrate

### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area. Reseal opened containers immediately and use within a very short time.

### Limitations

- In case of decorative surfaces a mockup should be created in an inconspicuous area at least one day before application.
- Do not apply on non-absorbent surfaces.
- Please protect glasses, glass, tiles, clinker, and similar materials from splashing material.
- Aluminum may not come in contact with the material.
- Impurities have to be washed off immediately with water.
- Clean tools after each application of LEVELEX®-ECO SEAL.
- It is important to ensure that no LEVELEX®-ECO BARRIER reaches the surface prior to application. For example by dripping work tools or footwear under which LEVELEX®-ECO BARRIER has collected. Otherwise efflorescence can occur on pre-wetted areas.
- Clean footwear should be worn during application to avoid contamination on fresh applied surface.
- Not for use as a curing compound.
- Will not hide existing staining or wear patterns in concrete.

### Warning

Consult SDS for more safety information.

- Keep out of reach of children.
- Any floor can be slippery when wet or contaminated with foreign material. Promptly clean up spills and foreign materials.
- Keep from freezing.
- Wear protective gloves and goggles Data Sheets are subject to change without notice.
- Avoid prolonged skin contact and absolutely no contact with all food stuffs.

## 4. TECHNICAL SPECIFICATIONS

### Applicable Standard

EN 1504-2:2004

### Physical Properties

pH value	11.9
Organic solvents	None
Working temperature	Min. +5 °C, max. +55 °C
Maximum air humidity	80% rh
Density	1.1 g/cm <sup>3</sup>
Color	Transparent
Viscosity	< 100 mPas

<b>EN 1504-2:2004</b> <b>Surface protection product – Hydrophobic impregnation</b> <b>EN 1504-2: ZA.1a</b>	
Innovative silicate impregnation and densifier protects against penetrating moisture in masonry and concrete	
Penetration depth	Class I: < 10 mm
Water absorption und alkaline resistance:	Absorption coefficient < 7,5% compared with untreated sample < 10% in alkaline solution
Drying speed:	Class II: > 10 mm
Loss of mass after freeze-thaw conditions:	Loss of mass 20 cycles later as non-impregnated sample
Dangerous substances:	None

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

## 5. APPLICATION

### Surface Preparation

The substrate has to be absorbent, free of dust, loose parts, oils, fats and other impurities. Chalk and sandy components must be removed before the solidification using an efficient

industrial vacuum cleaner. Coatings and/or render should be stripped off. Concrete and other cementitious substrates must have a minimum age of at least 2 days.

### Application

Apply LEVELEX®-ECO BARRIER undiluted with brush, roller or spray up to saturation of the dry underground. Mix in a ratio of 1:1 with water on highly absorbent and fine pored substrates. Diluted material should be applied twice wet on wet. The surface should not be dried off between coatings. Surpluses are to be avoided. Protect the treated areas from rain and condensation at least 24 hours during which the solidified surface may not be coated or treated. Cover the freshly applied surface air-permeably. After 7 days, an airtight cover is possible. Dry for at least 6 hours and avoid temperatures below the dew-point.

Attention: When LEVELEX®-ECO BARRIER is applied in combination with LEVELEX®-ECO SEAL, LEVELEX®-ECO BARRIER has to be applied first. After sufficient drying (surface should not be wet) the subsequent coating with LEVELEX®-ECO SEAL has to be applied. For optimal results, both coatings have to be applied within one day. Furthermore it has to be attended that due to the combination of both products the treatment with LEVELEX®-ECO BARRIER has to be taken into account with the consumption of LEVELEX®-ECO SEAL.

Depending on the substrate, an excess of one of these products could lead to an optical impairment of the surface. For further information about application of LEVELEX®-ECO BARRIER please refer to the technical data sheet of LEVELEX®-ECO BARRIER.

### Cleaning

Brush, wide brush, paint roller or spraying device  
All equipment should be washed clean and dried before and after application.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE AND LATAPOXY materials are available worldwide. For distributor information, please contact LATICRETE EUROPE S.r.l. Telephone +39 059 557680. For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu)

### Cost

Contact a LATICRETE and LATAPOXY closer distributor to obtain complete information and cost.

## 7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year.

Contact Technical Support for further information.

## 8. MAINTENANCE

LATICRETE and LATAPOXY are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

## 9. TECHNICAL SERVICE

### Technical assistance

For information contact: +39 059 557680  
[info@laticreteurope.com](mailto:info@laticreteurope.com)

### Technical and safety literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://www.laticrete.eu)

### Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.