



Globally Proven
Construction Solutions

LEVELEX®-ECO SEAL

Innovative silicate sealant and densifier protects against penetrating moisture and chemical stress. For use with self-leveling wear surfaces.

FIELDS OF APPLICATION

- for indoor and outdoor use
- solidifies porous substrates
- permanent protection against ground water, salt water and strong chemical stress
- as sealant against penetrating moisture on walls
- Protection against carbonation
- for protection and restoration of drinking water reservoirs, sewage plants and wastewater pipes
- suitable for concrete, facades, walls, cellars, horizontal barriers, pipes and all cementitious substrates
- applicable for subsequent paintings

CERTIFICATIONS



EN 1504-2:2004

Surface protection product – Impregnation

EN 1504-2: ZA.1b

Innovative silicate sealant and subsoil consolidation protects against penetrating moisture and chemical stress.

MANUFACTURER

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MAIN FEATURES

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

Suitable Substrates

- Concrete
- Cement based substrates

Packaging

30 liters or 5 liters

Approximate Coverage

0.4 – 0.8 kg per m², 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. Store in an area with temperatures between 10 - 25°C

Limitations

- The application has to be protected from rapid curing too quickly or at least 24 hours. Protect from strong drafts and exposure to direct sunlight.
- Some For 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 SEAL reaches the surface prior to application. For exemple by dripping work tools or footwear under which LEVELEX®-ECO SEAL 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**Physical Properties**

Basis	Inorganic
pH-value	11.5
Processing temperature	Min. +5 °C max. +55 °C
Organic solvents	none
Maximum admitted air humidity	max. 80 % r.H.
Density	1.1 g/cm ³
Color	transparent
Viscosity	< 100 mPas
Consumption	0.4 – 0.8 kg per m ² , depending on substrate
Necessary number of applications:	min. of 2 applications

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 should to be absorbent, free of dust, loose parts, oils, fats and other impurities. Chalk and sandy components must be removed before application using an industrial vacuum cleaner. Coatings and/or renders should be stripped off. Concrete and other cementitious substrates must have a minimum age of at least 2 days.

Mixing

Ensure the product is thoroughly mixed before application.

Application

LEVELEX®-ECO SEAL can be sprayed undiluted on substrates, or brushed/rolled on surfaces to cover all areas. LEVELEX®-ECO SEAL should be applied twice. Every application has to penetrate completely into the substrate. The application should be repeated until the substrate is saturated, with any surpluses cleaned up. The surface must be protected against rain and moisture for 24 hours after application. Cover the freshly applied surface air-permeably. After 7 days, an air-tight cover is possible.

When LEVELEX®-ECO SEAL is applied in combination with LEVELEX ECO BARRIER, LEVELEX®-ECO SEAL has to be applied first. After sufficient drying (surface should not be wet) LEVELEX®-ECO BARRIER should be applied. For best results, both coatings should 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.

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

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@laticreteeurope.com

Technical and safety literature

To obtain technical and safety literature, please visit our website at 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.