

5115 Lithium seal 1K

Dutch Resin Group BV
 Gladsaxe 19
 7327JZ
 Apeldoorn
 Netherlands
 Tel: +31 55 312 44 65
 Email: sales@dutchresin.nl
 Web: www.dutchresin.nl

Product description

The 5115 Lithium Seal from Dutch Resin Group is a water-based concrete impregnating agent based on Lithium. The 5115 is transparent and preserves the color of the concrete. It makes the concrete extremely hard, allowing it to be polished. It also provides a water-repellent effect, causing water to remain on the surface of the concrete.

Product details

Packaging size 10 kg
Set size A-component 10.00 kg

Appearance Transparent

Shelf life 12 months after the production date when stored at normal temperature (15 °C). See more under *storage*

Product features

- High hardness
- Seamless and liquid-tight
- Simple application
- Very deeply impregnating
- High chemical resistance
- Easy to clean
- Water-repellent effect

Areas of application

As a top layer on troweled concrete floors. The silicate reacts with the cement components and forms an insoluble calcium silicate hydrate (CSH) that increases surface hardness, reduces dust, and makes maintenance easier. Unlike epoxy coatings and PU or acrylate sealers, Lithiumseal 5115 reacts with the concrete in a manner that is irreversible.

Technical specifications

Similar mass (density)	0.89 kg/d m ³
Mixing ratio	N/A
Consumption	50 to max 75 g/m ² per layer.
Processing time	Approximately 100 minutes. *
Dust dry	After 1 hour *
Walkable	After 4 hours *
Fully loadable	3 days
Adhesion strength (n/mm ²)	>1.5
Viscosity (mPa.S)	20 – 50
Solid content	60%

At normal temperature of 20°C.

Product processing conditions

Subsurface temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Ambient temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Subsurface moisture content	Moisture < 4%
Relative humidity	Maximum 70% RH
Dew point	at least 3°C above the dew point.
Pay attention	These conditions apply to both the processing and curing of the product. Ensure adequate ventilation in the room.
Tools	The product should be applied by distributing it with a spray bottle and using a mop to rub it in.

Work and environmental protection

Storage and shelf life

Solvent-free. Non-flammable: Contains Lithium seal, no hazards. Non-corrosive.

Suitable protective gloves and safety glasses during handling. Environmentally hazardous in liquid state; therefore, do not allow to enter the sewer, open water, or soil. Hazard/safety instructions on the can label and the Safety Data Sheet must be observed, among others. After curing, odorless and ecologically and physiologically harmless.

Removal of material

Uncured product residues. Do not allow to enter sewers, open water, or soil. These uncured components are chemical waste. Cured components are classified as construction waste.

The product must be stored dry at temperatures of a minimum of 10 and a maximum of 25 degrees. Under these conditions, the shelf life of an unopened package is at least 12 months. Very rarely, crystallization may occur in the epoxy resin at low temperatures; this crystallization can be easily reversed by heating the package and its contents before use.

Cleaning

The lithium seal can be easily cleaned with a cleaning agent of your choice. This cleaning agent must not be corrosive or consist of undiluted cleaning agents applied directly to the floor. In all cases, test whether your cleaning agent damages the floor by applying it to a small section of the floor.