

## **Lithium Densifier HYDRO LD 44**

*Interior & Exterior*

### **Water-based densifying, curing agents in HYDRO \* Solution**

#### **Chemical description**

**Lithium Densifier LD 44** is our top quality HYDRO curing agent, a specially formulated micro – lithium solution. By using this solution, an extremely hard, durable concrete floor surface is achieved.

The penetration of water or of other liquids is greatly reduced while still maintaining breathability

#### **Mode of action**

**Lithium Densifier LD 44**, solidifies and preserves large-pore stone materials or other mineral structures by silicification. The solidification reaction takes place by removing the water by pH-shift, carbon dioxide from air u / o by reaction with the materials being treated. This results in a water-resistant composites of silica and lithium carbonate.

#### **Specifications (average values)**

Solids content:	approx. 27,0 % 007 *)
Density (20°C):	approx. 1,26 g/cm <sup>3</sup> 042 *)
pH value:	approx. 12,5 008 *)
Viscosity (20°C):	approx. 20 mPas 053 *)

\*) *Internal method code – description available on request*

#### **Properties**

- inorganic aqueous solution with low alkali content,
- good wetting and penetration,
- produces water and acid resistant gels,
- does not cause efflorescence
- good shelf life,
- solvent-free,
- non-flammable,
- heat-resistant,
- not susceptible to microbial attack.

## **Lithium Densifier HYDRO LD 44**

*Interior & Exterior*

### **Application Handling**

**Lithium Densifier LD 44** is suitable for strengthening and preservation of large pore natural and artificial stones, concrete and Terrazzo floors.

Depending on the absorbency and porosity of the object to be treated -product Can be diluted 1:1 up to 1:3 .

Apply using a pump up sprayer and microfiber pad and applicator.

**Lithium Densifier LD 44** is applied after the # 100 grit grinding step using a microfiber pad applied uniformly without streaking.

(do not leave any drops or puddles!)

(minimum 1 - 2 hours soak - the best results after 8 - 12 hours contact time)

please allow a minimum of 1 hour drying time before going on to the next step

(Depending on climate and floor conditions)

Can be used indoors and outdoors.

### **Note**

Application temperature (substrate/air) should be between 40° F (5° C) and 85° F (30°C)

### **Storage**

**Lithium Densifier LD 44** must be protected from freezing and must not be stored in aluminium or galvanised containers.

When stored in closed original containers, storage stability will be at least 6 months.

### **Labelling / Safety**

See the safety data sheet

### **Packaging**

10 liter cube container / 120 liter drum / 1000 liter container