



# Lithium Silicate

## Inorganic binder / penetrating hardening agent

**Description** Lithium Silicate is a water-based, silicate containing hardening agent based on lithium salts. It is a reactive binder based on silicate. It is converted by carbon dioxide and polyvalent metal compounds into water insoluble, heat and acid resistant products with fine particles, low viscosity and thermal shock resistance.

### **Properties**

- Alkaline product,
- can be diluted with water in any ratio,
- good storage stability,
- incombustible,
- free from solvents (no VOC),
- odorless.

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

Appearance:: Colorless, transparent liquid

Dry content: approx. 23%

Density (20°C): approx. 1.19 g/cm<sup>3</sup>

PH value: approx. 11.5

Viscosity (20°C): approx. 15 mPas

**Packing:** 230kg plastic drums.

**Application:** Applied for concrete sealed hardening, the production of welding rods, construction chemicals, special paints, refractories, ceramics, acid proof coatings, as binder for water resistant special adhesives and as primer for metal coatings.