

# eile SILIKA 100

**Lithium silicate-based, water-based, low-viscosity liquid surface hardening material that can be applied to concrete.**

## Areas of Use:

It is used for hardening cement-based floors.

- Shopping Malls
- Parking Lots
- Airport Hangars
- Storage Areas
- Production Facilities
- Factories
- Offices

## Product Features:

- Single-component
- Solvent-free
- Easy to apply
- Excellent penetration
- Increases the wear resistance and durability of the applied concrete
- Makes the surface water-resistant
- Provides a glossy finish to the surface

## Application Procedure:

### Surface Preparation:

The surfaces must be clean and solid, free of residues like oil, grease, paint, rust, and paraffin that could reduce adhesion. Loose particles must be cleaned by air or mechanical methods. The concrete to be applied should be of C20-C25 quality.

### Application Method:

It can be applied to freshly poured concrete without any special preparation. After the joint cutting process and surface cleaning, it can be applied to the surface. It can be easily applied using a low-pressure sprayer.

### For Old Concrete Surfaces:

After surface cleaning and once the surface has dried, the porous structure that will allow the product to penetrate into the concrete is revealed using diamond grinding and cleaning tools. After the necessary surface preparation, any dust and other residues formed on the surface must be removed. Then **eile Silika 100** is applied to the surface using low-pressure sprayer pumps.

## Points to Consider:

- Care should be taken to avoid puddles forming on the surface during application.
- The area should not be used until the surface has dried.

## Cleaning of Tools:

Tools and equipment used after application should be cleaned with water.

## Consumption:

Depending on the surface, 0.50-0.150 kg/m<sup>2</sup>

## Packaging:

30 kg plastic drums

## Storage:

Should be stored in its unopened original packaging in a cool, dry environment, protected from direct sunlight and frost.

## Shelf Life:

12 months from the production date when stored under the recommended conditions.

## Technical Specifications:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| <b>Structure of the Material:</b>     | <b>Lithium Silicate</b>             |
| <b>Color</b>                          | <b>Transparent Liquid</b>           |
| <b>PH (20 °C)</b>                     | <b>12</b>                           |
| <b>Temperature during application</b> | <b>+5° C- +35° C</b>                |
| <b>Density (20°C)</b>                 | <b>1,15 ± 0,5 gr/cm<sup>3</sup></b> |

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Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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