

Concrete surface densifier and hardener liquid

LIQUIDUR is a ready-to-use colorless fluid that penetrates deep into the concrete, strengthening and hardening it by chemical reaction. It is highly efficient due to its lithium silicate content compared to the standard sodium and potassium based surface hardeners, and it does not cause efflorescence. Floors treated by LIQUIDUR acquire more abrasion resistance, impermeability and resistance to chemicals.

AREAS OF USE

- Industrial floors
- Monolith concrete surfaces
- Out- and indoor concrete surfaces
- Cement-based repair mortars

TECHNICAL FEATURES

- Increases the surface impact and abrasion resistance
- Creates/Enhances resistance against several chemicals
- Completely isolates pores
- Improves the freeze and salt resistance
- Considerably reduces dust forming, improves cleanability
- Transparent material that does not change the color of the base surface, the surface becomes glossier

TECHNICAL DATA

- Appearance: transparent, colorless liquid
- Density (at 20°C): $1,1 \pm 0,05$ g/ml
- Viscosity (at 20°C): 10-50 mPa.s
- pH: 10 -11
- Flash point: not relevant
- Dust-free drying time: 1-3 h (at 20°C)

USE OF MATERIAL

50-100 gr/m², depending on the porosity of the floor.

TEMPERATURE LIMITS

Application temperature range between +5°C and +40°C.

SAFETY PRECAUTIONS

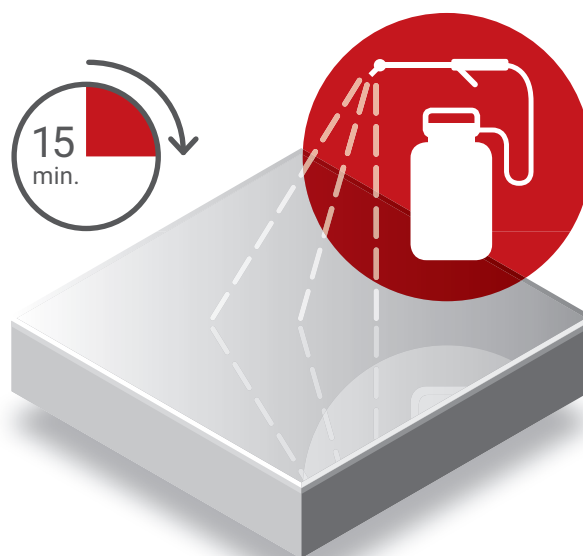
Water based lithium silicate. Non-hazardous, non-flammable. Safety equipment (eye protection, gloves, protective clothing) recommended to use during spraying. Do not use material if room has high humidity or poorly ventilated. Glass and metal surfaces must be protected during application. For further information ask for the product safety data sheet.

PACKAGING

Supplied in 20 liter cans.

STORAGE

May be stored for up to 12 months in its original packaging in a dry area at ambient temperature between 5°C and 25°C. After opening apply it soon as possible.



Concrete surface densifying and reinforcing liquid installation and maintenance guide.

APPLICATION

In case of fresh concrete the optimum effect can be achieved at least 72 hours after finishing the concrete. It is suggested that LIQUIDUR is applied with spray equipment. However brush or roller can be used too but it must be ensured that no puddles formed. After application, it is recommended to spread the material evenly by a soft mop or microfiber pad. This process breaks the liquid's surface stress and supports absorption. Ensure that the surface remains wet and overall shiny for at least 10-15 minutes. Where the surface dries faster, i.e. at higher porosity spots or near edges additional material should be applied. Then let the product dry on the surface.

In case of existing concrete remove all dirt oil, grease and loose particles.

Very porous surface can be wetted by water before the application of the product. The effect of the product can be enhanced by using second layer. In case of two layers do not let the first layer to dry completely.

CLEANING

The equipment and tools should be cleaned with water immediately after use.

FIRST TIME USE

The surface can be utilized after drying (1-3 hrs) however the beneficial properties develop fully after 7 days. In regards to loading of the floor, please follow the guidelines of the concrete floor itself.

After 3-7 days the floor can be painted or any additional layers may be applied.

MAINTANCE

After application of LIQUIDUR – in opposition to other materials – the surface and aesthetic appearance of the floor will be better and better over the time and the top appearance will remain until the lifespan of the floor. Thus, the repetitive application of the material is not required.

Because of this treatment, the dust and other residue will not stick into the pores of the floor, basically the cleaning process becomes effortless. Maintain your floor by daily cleaning, using large quantities of water and floor cleaning detergents. Preferably use a neutral detergent.

