



## Silicone liquid SL-11K

Water repellent for surface and volumetric treatment of porous mineral bases.

### Characteristics

Concentrated water solution of potassium methylsiliconate used to impart hydrophobic properties to various building materials.

### Properties

- After treatment, water permeability and water absorption of the material are reduced, frost resistance and heat-insulating properties are increased, mold and moss growth is prevented.
- Penetrates deep into the pores and does not clog them, so that the materials retain their natural properties - porosity and vapor permeability, that is, they can "breathe".
- Colorless, the natural appearance of the material is preserved.
- Non-combustible.

### Applications

- For hydrophobic treatment of the surface of bricks, concrete, foam concrete, shell stone, mineral plasters, limestone, asbestos cement, slate, tiles, marble, gypsum products and other porous mineral materials.
- Not suitable for the treatment of wooden surfaces, applying to previously painted and glass items can lead to the formation of spots.
- Suitable only for the treatment of vertical and inclined surfaces, on which liquid precipitation and moisture condensate are removed.
- As additives in the production of gypsum fiber boards.

**Preparation of surface:** Remove flaking, loosely bound to the base particles, remove dust and other contaminants. It is recommended to clean the surface with high pressure washers, steam cleaner, water jet or mechanically. After wet cleaning, allow the surface to dry. The application of the agent is recommended on a clean, dust-free surface.

**Preparation of working solution:** dilute 1 liter of product in approximately 20 liters of water. Before use, please make a trial treatment on a small area of the surface or a single element. In case of stains, dilute the working solution with water in a ratio of 2 parts of the solution to 1-2 water. The working solution can be diluted only for the treatment of surfaces with low moisture absorption. The recommended amount of prepared water repellent solution should not exceed the amount required for one day of work.

### Application method at surface treatment:

Apply water repellent with paint brush, roller or sprayer. Please note that surface treatment by spraying can lead to increased consumption.

The surfaces that cannot be treated must be closed to protect them from undesirable exposure to liquid. Apply until the termination of absorption; the re-treatment is possible on a still wet surface.

After drying, the moisture absorption of the treated surface is minimized, which can lead to stains if the application continues. Therefore, avoid further treatment of already dried surface. When application please provide uniform and complete absorption of the liquid in order to prevent stains. Possible stains do not mean the reduction of water-repellent effect.

**The consumption** rate depends on the porosity of the material to be treated and the application method, and can range from approximately 0,2 to 0,4 l/m<sup>2</sup> of the prepared working solution (1 liter of liquid SL-11K is required to prepare 21 liters of working solution which is sufficient for treatment of 55-110 m<sup>2</sup> of the surface).

Carry out work in dry weather conditions at temperatures between +5°C to +25°C. Drying time at +20°C is not more than 24 hours, at lower temperatures the drying slows down and may take longer.

**In the production of gypsum fiber boards** please use in accordance with the technology of the gypsum fiber board manufacturer.

### Storage

The shelf life is 12 months at temperature from -30°C to +30°C.

Store in original containers separately from acids. Prevent from direct sunlight.

Do not store in containers painted inside, as well as containers made of aluminum or other light metals.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

### Packing

- drums polyethylene up to 50 dm<sup>3</sup>;
- barrels combined (steel – polyethylene) up to 200 dm<sup>3</sup>;
- special containers up to 1 m<sup>3</sup>.

### Safety instructions

Safety information is not included in this document. Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request.

## Product specification

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Clear or slightly turbid liquid
Density at temperature $+(25\pm 0,5)^{\circ}\text{C}$ , $\text{g}/\text{cm}^3$	1,380-1,405
Mass content of solids, %, min.	54,0
Mass content of $\text{K}_2\text{O}$ , %	19,5 – 20,8

**Note:** precipitation during storage is not a rejection factor.

To obtain more information please contact your nearest representative office of Silkor Ltd.

### **LIMITED WARRANTY INFORMATION, PLEASE READ CAREFULLY:**

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose.

Silkor Ltd only guarantees that the product meets its specifications in effect at the time of delivery.