

Oxal NK 100

Natural stone consolidator

Product Properties

- Solvent-free
- Ready to use
- Optimal penetrating power
- Not sticky when dry
- Water vapour permeable
- Contains no hydrophobizing additives
- Gel separation ration > 30 %

Areas of Application

- To consolidate natural stone, bricks, terracotta
- Application on mineral and absorbent materials
- Reactivation of strength

Application Notes

Substrate Preparation

Before starting the work the substrates condition has to be tested. This includes binding material, salt content and porosity. After this a sample area has to be applicated to identify the consumption an outcome of the material. The evaluation takes place either by visual characterization or structural-physical measuring. If the substrate has to be cleaned off before application, a pre-consolidation can be made to avoid a removal of the substrate on the surface. The surface can be cleaned by spraying cold or warm water onto the surface or by steaming. The substrate has to be air dry and absorbent.

Application

Oxal NK 100 can be applied by spraying, brushing or by dipping. If Oxal NK 100 is applied by dipping over a long period of time, the dip tank has to be hermetically sealed to avoid the material from gelling. The area that has to be treated with Oxal NK 100 has to be protected from intensive sun load before and after the treatment. The optimal

working temperature for Oxal NK 100 is between 10 °C and 20 °C. The relative humidity should be > 40 %. To achieve an appropriate consolidation it is necessary to soak the entire mellow substrate. Oxal NK 100 has to be applied wet in wet until no more material is absorbed from the substrate. The consumption depends on the absorbency of the substrate and may vary between 0.5 and 1.5 l/m². If needed the application can be repeated after 2 - 3 weeks. If new material is applied before that a grey discolouration may occur.

After the substrate is saturated the surface can be cleaned off with a dissolver like solvent naphtha to avoid the surface from discolouration. After application the surface must be protected from rain for two to three days.

Further Information

If used inside closed rooms ensure sufficient ventilation. Wear safety gloves and googels for protection.



Technical Data for Oxal NK 100

Characteristic	Unit	Value	Comments
Consumption	l/m ²	0.5 - 1.5	depending on the absorbency of the substrate
Processing conditions	°C	10 - 20	air- and substrate temperature
Density	g/cm ³	approx. 1	at 25 °C

Product Characteristics for Oxal NK 100

Base	Silicic acid
Colour	colourless / yellowish
Form of delivery	10 kg canister
Storage	Can be stored in original unopened packs for at least 12 months.
Disposal	Please empty the packs completely!

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 01/18. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.