

L100 DIAMOND

COATING PREPARATION BASED ON LITHIUM SILICATE AND POLYURETHANE FOR OLD AND NEW CONCRETE SURFACES

DESCRIPTION

L100 Diamond is a silicate formulation, in the form of a milky white liquid with a distinct odour, for use in the restoration of old and protection of new concrete surfaces with a concrete class of min. C25. It also works best as a finish for polished surfaces due to the smoothness of the substrate.

CHARACTERISTICS

- Ease of application
- The product is supplied ready for use without aromatic solvents
- Reduces concrete dusting
- For unprotected concrete, improves chemical and mechanical (abrasion) resistance
- Facilitates cleaning and maintenance
- Environmentally friendly
- Depending on the concrete class, grain size, polishing and many other factors - an improvement in the abrasion resistance of concrete of up to 400% can be achieved
- Makes the surface hard, slippery and non-absorbent

METHOD OF APPLICATION

L100 Diamond is a ready-to-use, water-based mixture. It is applied to concrete substrates both new and seasoned. The substrate should be clean, free from loose dirt and standing water. Do not apply to substrates that are dirty, oily, overgrown with algae, etc. The material is applied to the prepared substrate with a metal squeegee/sheet in at least three coats, after the previous coat has dried. L100 Diamond reaches its full performance after 7 days at 20°C and 60% humidity. In further time, through chemical reactions involving lithium silicate, the properties of the concrete are gradually improved.

EFFICIENCY

Average consumption of L100 Diamond: 0.02 l to 0.1 l/m²

CONDITIONS OF APPLICATION

Substrate temperature:	<i>Minimum +5°C / Maximum +35°C</i>
Environment temperature:	<i>Minimum +2°C / Maximum +40°C</i>
Substrate humidity:	<i>dry substrates</i>
Relative air humidity:	<i>Maximum 100%</i>

DRYING PROCESS

The substrate is dry to the touch after 2 hours at +20°C.

CLEANING AND MEINTENANCE OF A CONCRETE FLOOR

- **Si-Clean** – preparation for daily cleaning and care
- **Si-Wax** – self-gloss polymer paste
- **Si-Active Concrete Clean** – alkaline cleaner for basic cleaning and removal of heavy soiling

STORAGE AND TRANSPORT CONDITIONS

- Shelf life of L100 Diamond at 5-35°C is 12 months from date of manufacture
- Protect the product from frost

PRECAUTIONS

- Follow the product safety sheet and the instructions on the packaging
- Protect against skin and eye contact
- Wash tools with water

CONTAINERS

Canister 20 l

SHELF LIFE

24 months

Note: *The above information has been compiled to the best of our technical knowledge, but is not legally binding.*