

Silikrete

**ADHESIVE LATEX FOR CEMENT MORTARS
CEMENTITIOUS POWDER MORTAR**



**Two-component system
SILIKRETE POWDER + SILIKRETE LIQUID**



*System components: SILIKRETE POWDER
+ SILIKRETE LIQUID.*

TECHNICAL DATA SHEET

DESCRIPTION

SILIKRETE LIQUID is a synthetic rubber latex in watery dispersion which, mixed with SILIKRETE POWDER or with cement and sand, allows mortars with high adhesion, mechanical resistance against impacts and vibrations, thermal changes and ageing. SILIKRETE POWDER is a powdered mixture of grey or white cements, selected minerals and additives that gives the product good workability.

FIELDS OF APPLICATION

The mixture of SILIKRETE LIQUID with SILIKRETE POWDER is used for high-resistance laying of ceramic tiles of any type, ceramic and vitreous mosaics, stoneware, clinker, single-fired tiles, marble, natural and artificial stone. The mixture can also be used for laying in swimming pools, on external facades, terraces and balconies, in refrigerating rooms, and for thin fillings with cement mortars.

SUPPORT PREPARATION

The support must be planar, solid, compact and free from dust, grease substances and inconsistent parts. New cement supports should be seasoned for at least 28 days. Gypsum supports should have a humidity content not higher than 10% and must be previously treated with PRIMER A 16.

INSTRUCTIONS FOR USE

Pour 4 parts of SILIKRETE POWDER into 1 part of SILIKRETE LIQUID and mix until obtaining a homogeneous mixture free from lumps. Let the mixture rest for a few minutes, then briefly remix before use. The mixture remains workable for about 1.5 hours. Apply the mixture onto the support with a toothed spatula. Lay the tiles while applying firm pressure to ensure contact with the adhesive. Make sure the adhesive spread on the surface is always fresh and has not formed a superficial film; if a film has formed, refresh the adhesive by respreading it with the toothed spatula. Strong sun or wind may reduce the workability time; in such conditions, lightly dampen the support to extend the open time. For large-format tiles, external laying, swimming pools, shower trays, drinking-water tanks, refrigerating rooms, and tiles with very hollow backs, spread the adhesive also on the back of the tile to avoid cavities that could be reached by water and cause failures in case of frost. Joints can be executed after 6 hours on walls and after 24 hours on floors.

CONSUMPTION

4 kg/m² of mixture, equal to 0.8 kg/m² of SILIKRETE LIQUID and 3.2 kg/m² of SILIKRETE POWDER.

PACKAGING

SILIKRETE LIQUID is available in 19 kg and 5 kg containers. Keep the product in its original well-closed packaging and protect from frost.

SILIKRETE POWDER is available in 20 kg polyethylene-lined bags on 2000 kg pallets. Keep the product in a dry place, in its original well-closed packaging, and protect from frost. In these conditions, stability is at least 12 months.

WARNINGS

SILIKRETE POWDER can be replaced by a mixture consisting of 1 part cement and 1 part fine sand, but these mixtures have lower workability and a shorter adaptation time. Mixtures obtained with SILIKRETE LIQUID can also be used for laying large-sized ceramic tiles.

Protect the laid supports from rain and direct sunlight until complete hardening. Wait at least 14 days before filling swimming pools and tanks with water to ensure correct curing of the mortar.

For further information or particular uses, contact our Technical Department.

SAFETY INSTRUCTIONS

Use suitable clothing, gloves and protective glasses.

Consult the Safety Data Sheet for more information to use the product safely.

SPECIFICATIONS

Two-component adhesive system composed of **SILIKRETE LIQUID** and **SILIKRETE POWDER** for high-resistance laying of ceramic tiles of any type, ceramic and vitreous mosaics, stoneware, clinker, single-fired tiles, marble, natural and artificial stone on walls and floors. Suitable for swimming pools, external facades, terraces, balconies, refrigerating rooms and thin repair or filling applications with cement mortars.

TECHNICAL DATA

Appearance:	fluid liquid (SILIKRETE LIQUID); powder (SILIKRETE POWDER)
Colour:	white (SILIKRETE LIQUID); white or grey (SILIKRETE POWDER)
Noxiousity according to ECM 88/379:	no
Flammability:	no
Mixing ratio:	20 kg SILIKRETE POWDER per 5 kg SILIKRETE LIQUID
Pot-life time of mixture:	90 min
Adaptation time:	15 min
Application temperature:	from +5 °C to +35 °C
Pedestrian traffic:	after 24 h
Temperature resistance:	from -30 °C to +90 °C
Consumption:	4 kg/m ² of mixture, equal to 0.8 kg/m ² of SILIKRETE LIQUID and 3.2 kg/m ² of SILIKRETE POWDER

Tests performed at +23°C, 50% relative humidity and in absence of ventilation.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.