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## SilQuarz

Technical Data Sheet No. 111 - Revision 1 of 16/01/2014

### Features and areas of application:

A paint based on acrylic and siloxane resins in aqueous dispersion, ultra-fine quartz, and light-resistant color pigments. The characteristics of the silicone resin give SIL QUARZ the ability to form a non-film, but rather a porous and breathable coating that adheres perfectly to any substrate. This characteristic gives the product high permeability to water vapor particles, while also providing good water repellency and effective dirt resistance, preventing the growth of microorganisms such as mold and moss.



Suitable for both historic and modern buildings, SIL QUARZ provides excellent aesthetic and protective properties.

### Substrate preparation and application:

**New walls:** ensure the substrate is at least four weeks old; clean thoroughly, removing all traces of dust or grease; ensure the surface is perfectly dry, then apply a coat of our SIL PRIMER and let dry.

**Old walls:** remove any remaining dirt and ensure perfect adhesion of existing paint. On degraded surfaces with mold, algae, and moss, we recommend repairing, leveling, and skimming with our RASOSTUCCO and treating with our ALGA MUSCHIO STOP biocidal washing solution. Once the surface is dry, sand, remove any remaining dust, and then repeat the same procedure as for new walls.

On particularly chalky surfaces, we recommend using our PLIOPRIMER, an insulating and consolidating impregnator, as a primer.

SIL QUARZ can be applied using the following methods:

**Smooth finish:** stir the product thoroughly, dilute it with 30-35% pure water by volume, and apply using a brush or roller. After 3-4 hours, apply a second coat, diluting it with 25-30% water by volume.

**Textured finish:** Apply a first coat using the smooth finish procedure, then dilute the product 1-2% by volume with pure water and apply a second coat evenly with a sponge roller, working it in until a fine-texture effect is achieved.

### USEFUL WARNINGS

- To avoid film formation defects, do not apply in direct sunlight or wind, or at temperatures below +5°C.
- Use water to clean tools.
- For information on proper disposal, storage, and handling of the product, please consult the relevant safety data sheet.
- The product should be used preferably within two years of the production date if stored in the original, unopened containers and at appropriate temperatures.



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<b>Binder type</b>	Acrylic-siloxane
<b>Specific gravity at 20°C</b>	1400 g/l +/- 50
<b>Viscosity: Brookfield, 6 rpm, speed 20, 20°C</b>	cP 23000
<b>Dry film appearance</b>	Matt
<b>Apply with</b>	Brush, roller
<b>Color</b>	White or "Exterior Colors" and "Oxide Colors" color chart
<b>Coverage (kg/m<sup>2</sup>)</b>	5-7 m <sup>2</sup> /L in two coats
<b>Packaging (kg)</b>	L 14 - 4
<b>Drying</b>	<b>Touch dry:</b> 2 hours at 20°C
	<b>Overcoating:</b> 24 hours at 20°C
	<b>Through drying:</b> 24 hours at 20°C
<b>Dilution</b>	25-35% with pure water
<b>Tool Cleaning</b>	Immediately after use with water
<b>Storage</b>	In a cool, dry place

### Specifications

Application, by roller or brush, on exterior wall surfaces, with a two-coat application cycle of quartz-based acrylic-siloxane paint.