FAST SIL +

A thin-layer silicone plaster

APPLICATION

FAST SIL + is used to apply fine, thin-layer textured plaster coatings, both inside, and outside buildings. It can be used on any mineral surface that is sufficiently strong and even (cement, cement-lime plasters, concrete, sandstone) and covered with well-adhering paint coats.

PROPERTIES

FAST SIL + is a ready-to-use product based on a dispersion of silicone and acrylic-styrene resins with the addition of siloxane emulsion. It is additionally reinforced with basalt fibers, which directly improves the strength and flexibility of the plaster coating. It creates a coating that is strongly bonded to the surface and characterized by high vapor permeability. As a result of the surface hydrophobization FAST SIL + has a significantly reduced wettability limiting the penetration of water with substances dissolved in it. The plaster is highly resistant to soiling and the development of microorganisms such as algae and fungi. It is especially recommended in building insulation systems with the use of mineral wool. It is delivered in a wide range of colors acc. to FAST COLOR SYSTEM . It contains agents eliminating the growth of algae and fungi on the surface covered with plaster.

SUBSTRATE PREPARATION

The surface should be even, strong and dry, free from all kinds of contaminants that would reduce the adhesion of the mortar, i.e. dust, lime, grease, remains of old paint coatings. In order to reduce the absorption capacity, the surface should be primed with FAST GRUNT G . Always, in order to increase the adhesion of the plaster, regardless of the type of surface, it should be primed before each plaster application with FAST GRUNT M. It is recommended to use a primer in the shade of the selected color FAST SIL +.
The plaster can be used on the following surfaces:

- cement and cement-lime plasters (after a minimum of 14 days from the date of application and humidity not higher than 4%) primed with FAST GRUNT M.
- concrete (more than 3 months after completion and humidity not higher than 4%) primed with FAST GRUNT M
- gypsum surfaces (humidity <1%) primed with FAST GRUNT G and FAST GRUNT M
- a layer in the thermal insulation system reinforced with a mesh, made on a mortar FAST SPECJAL and primed with FAST GRUNT M over 3 days

PREPARATION AND USE

Before starting the plaster application, the contents of each package should be mixed with a slow-rotating drill in order to even out the consistency. On a previously properly prepared and primed surface, apply the plaster in a thin layer, to the thickness of the grain, using a stainless steel trowel. After a short time, depending on the conditions at the time of application, it can be textured with a plastic trowel. Trowel the plaster with circular movements. When applying the plaster, the general rule of applying "wet on wet" should be followed. It is also possible to apply this plaster using the spray method, which significantly reduces the cost and time of application. The details on the exact technology are available at www.fast.zgora.pl or from our technical representatives.

The tools and the container should be clean. When applying and drying the plaster, observe the appropriate weather conditions, i.e. surface and ambient temperature from + 5°C to + 25°C, no strong sunlight, no rain or too high relative air humidity above 75%. The drying time of the plaster at the optimum temperature of + 20°C is from 12 to 48 hours.

Additional application guidelines:

- before the application, the color should be confirmed as ordered. Once the product has been applied, color claims will not be considered.

- in order to avoid differences in shades on one architectural surface, works should be carried out without interruptions, using packages with plaster of the same production batch, previously mixed with each other in a large caster.

- Protect the plaster from unfavorable atmospheric phenomena until it is completely dry

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TECHNICAL DATA

Base unit	kg
Base	water dispersion of silicone and styrene-acrylic resins with the addition of siloxane emulsion, mineral fillers and pigments
Density	about 1,8 kg/m^3
Open time of work	about 20 min
Drying time	from 12 hours to 48 hours
Adhesion to concrete	min. 0,8 MPa
Substrate and ambient temperature	from +5 $^{\circ}$C to +25 $^{\circ}$C
Temperature resistance	from –20 st. C to +60 st. C
Water absorption w24	≥ 0,1 kg/m^2 ≤ 0,5 kg/m^2

USE

Depending on the type of substrate, FAST SIL + consumption is about 3.2 kg / m^2.
Depending on the type of substrate, FAST SIL + consumption is about 2.5 kg / m^2.
Depending on the type of substrate, FAST SIL + consumption is about 1.7 kg / m^2.

NORMS

Product compliant with the European Technical Assessment: ETA-14/0464. It has ETA compliance certificate: 1020-CPR-020-032349. It has a valid hygienic certificate. Component of the ETICS FAST S insulation system.

STORAGE

Store in factory-sealed packages, in dry rooms at a temperature of + 5°C to + 25°C.

NOTES / ADDITIONAL COMMENTS

The scope of the product application recommended and specified in the product sheet or the manner of its execution does not release the contractor from carrying out works in accordance with the construction practice and health and safety rules. P.W. FAST guarantees and is responsible for the quality of the product, but has no influence on the method of its application and the conditions in which it was applied. All the technical data were measured under normal conditions, i.e. temp. +20°C and air humidity 60%. Under conditions other than the above, the drying time may change, i.e. it may be extended or shortened.

This sheet replaces all previous versions.

WARNING

While working, avoid direct contact with the skin and protect the eyes. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Rinse soiled skin immediately with plenty of water.
Keep away from children.