

SILICONE PLASTER

FOVEO TECH TSS 25 SILICATE AND SILICONE PLASTER



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Core features:

- very easy application and finishing
- excellent adhesion
- high water vapour permeability
- high UV resistance
- high resistance to biological hazards
- resistance to deformation
- high resistance to dirt
- long lasting coats
- long lasting and vivid colours
- a wide range of colours

USE (purpose)

A plaster based on potassium silicate dispersion and a combination of silicone and synthetic resins, as well as marble aggregate and fillers. Contains special refining agents. Features high resistance to changeable weather conditions, biological corrosion and dirt. Vapour permeable and low absorptive. Silicone and Silicate Plaster TSS 25 intended for manual performance of thin-layer decorative plasters on all interior and exterior mineral substrates.

PRODUCT PROPERTIES

Volumetric density approx. 1,8 g/cm³

Open time to 15 minutes

Application and substrate temperature from +10°C to +25°C

*Technical data and information on application manner are provided for temperature +20°C and relative air humidity 60%.

APPLICATION

SUBSTRATE PREPARATION:

The substrate must be even, dry, solid, dust and dirt free as well as free from any biological (fungi, moulds, mosses) and chemical aggression etc. All sorts of dirt must be removed by using water under high pressure. Old plasters and paint coats with poor adhesion must be removed. Fill in holes with Adhesive Mortar KS 10, KS 20 or KU 11, KU 21 or KW 12 (max. to 6.0 mm in one coat) or a regular plaster mortar. In order to reinforce substrates with poor adhesive properties, highly absorptive or chalky (i.e. leaving dust traces after palm rubbing), it's necessary to apply Acrylic Primer GA 10 or Silicone Primer GN 30. If necessary, smooth the surface with Adhesive Mortar KU 11, KU 21 or KW 12. New cement or cement and lime plasters must be painted minimum 28 days after application whereas concrete after 3 months, within the insulation system the reinforced coat must be seasoned min. 3 days. All substrates must be stabilized as far as moisture is concerned and the curing process completed. Before plaster application the surface must be primed by Undercoat/Primer PA 10, (colour as close to the plaster colour as possible).

APPLICATION:

Before use the whole content of the bag must be mixed carefully by taking advantage of a slow-speed agitator (driller) till obtaining a uniform consistency. If necessary, add a small amount of water (up to 1,5%). During spraying application the maximum water content should be up to 100 ml/25kg of plaster. The amount of water added should be the same for each container. An addition of water may contribute to change of plaster properties and its colour. Do not interfere with compound content by adding cement, sand or other components.

PAINTING PARAMETERS FOR PARTICULAR METHODS

APPLICATION:

The plaster must be applied by stainless steel trowel and spread till obtaining a coat of grain thickness. Within 15 minutes after application it's necessary to carry out a desirable effect by a plastic trowel: so called 'sheep fleece texture' - by circular movements, whereas 'bark beetle texture' - vertical, horizontal and circular movements, depending on desirable system of cracks. Do not use water during smoothening. The excessive material can be used subsequently after mixing.

SPRAY APPLICATION:

Only sheep fleece texture plaster can be used in the event of spraying method, grain thickness between 1,5 mm and 3 mm. Consequently, it's necessary to use a spraying kit recommended by the manufacturer in accordance with the following parameters: plaster of 1,5 mm thickness - nozzle no. 2 (5,5mm), plaster of 2mm thickness - nozzle no. 3 (6,5mm), plasters of 2,5 mm and 3 mm - nozzle no. 4 (7 mm). Recommended unit pressure: 3-3,5 bar. The plaster stream must be sprayed perpendicularly 25 cm from the wall. The gun must be operated steadily on the whole surface of the wall. In order to avoid discolouration it's necessary to apply the plaster which holds the same batch number (expiry date and batch number on the container). Plasters which hold different batch numbers must be mixed altogether before use. Work intervals must be scheduled beforehand (e.g. after work completion in corners and bends, under drain pipes, colour contacts etc.).

COMMENTS/RECOMMENDATIONS:

Use at the substrate and ambient temperature between +10°C and +25°C. Do not apply on hot substrate. During plaster application and drying it's necessary to avoid direct sunlight, strong wind and rain. Protect the plaster applied till complete curing by applying a foil or a thick protective mesh. Substrate and ambient temperature during application and over the course of 48 hours must not be lower than +10°C. Low temperature and high air humidity can extend the drying time. Clean the tools with water immediately after application. Fresh plaster dirt can be washed by water, whereas cured plaster remains can be removed mechanically only. The plaster obtains its full strength properties 28 days after application. In case of interior application the area must be ventilated until the odour vanishes. Plaster application within insulation systems of dark and intense colours (at light reflectance value (LRV) below 20%) should not exceed 10% of the surface plastered.

Before commencing to perform the elevation it's necessary to carry out a compliance test of ordered texture and colour on a small surface.

Any suggestions regarding substandard features of the plaster and its colour must be reported immediately to the seller. Works must be carried out in accordance with principle construction rules, standards and HSE regulations. In the event of combining the product with other products, FFIL Śnieżka SA shall not bear any responsibility. Detailed information about the product can be found in Technical Data Sheet.

The purpose of the information herein is to provide optimal performance as regards plaster application. The manufacturer shall not be liable for any damages resulting from inappropriate use or purpose of the product, since weather conditions during application are beyond its control.

TOOLS:

An agitator (driller), a trowel, stainless trowels, plastic trowels, plaster spraying kit

BEST BEFORE DATE

18 months from the date of manufacture

CONTAINERS

25 kg

EFFICIENCY

Bark beetle Sheep fleece Sheep fleece

Grain thickness	Manual application	Spray application
approx. 1,5 mm	2,0 – 2,5 kg/m ²	2,0 – 2,2 kg/m ²
approx. 2,0 mm	2,8– 3,3 kg/m ²	2,3 – 2,5 kg/m ²
approx. 2,5 mm	3,0– 3,5 kg/m ²	2,6 – 3,0 kg/m ²
approx. 3,0 mm	3,7 – 4,2 kg/m ²	3,1 – 3,3 kg/m ²

COLOURS

318 colours

STANDARDS, TESTS AND CERTIFICATES

The product comprises a set of products for external wall insulation of buildings by taking advantage of FOVEO TECH S and FOVEO TECH W Systems covered by European Technical Assessment ETA 15/0022 and ETA 17/0207.

Declaration of performances No 22/FTS/2015 and No 02/FTW/2018.

FIRE AND HSE RECOMMENDATIONS

ATTENTION!

The information included in the technical data sheet is to provide an efficient use of the product, however, it cannot form grounds for the manufacturer's liability, since the performance conditions are beyond its control. It's forbidden to make any adjustments to the product's formula, which can significantly decrease the properties of the used material. In the event of combining the product with other products, the manufacturer shall not bear any responsibility. All the information above is given in good faith, based on current knowledge and experience. The manufacturer reserves the right to amend the content of subsequent editions without the obligation to inform its customers.