

FOVEO TECH TT 20 SILICATE 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

PRODUCT DESCRIPTION

A plaster based on top-quality synthetic resins, potassium water glass, marble aggregate and fillers. Contains special refining agents. Reacts with the substrate and forms strong joints, as well as features high vapour permeability. Resistant to unfavourable weather conditions, dirt and biological corrosion. Ready-to-use plaster compound intended for manual performance of thin-layer, decorative plasters within insulation systems, as well as new and refurbished interior and exterior mineral substrates, excluding interior and exterior gypsum ones. Contains biocidal agents which prevent fungi, moulds and algae from development on plaster surface.

USE (purpose)

Ready-to-use plaster compound intended for manual performance of thin-layer, decorative plasters within an External Thermal Insulation Composite System (ETICS) FOVEO TECH S or FOVEO TECH W. Can be used on new and refurbished interior and exterior mineral substrates, excluding interior and exterior gypsum ones. Contains biocidal agents which prevent fungi, moulds and algae from development on plaster surface. Recommended for application on walls where high vapour-permeability is required

PRODUCT PROPERTIES

Volumetric density approx. 1,9 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 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 and imperfections with Adhesive Mortar KS 10, KS 20, 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 Silicate Primer GT 20. New cement or cement and lime plasters must be painted minimum 5 days after application whereas concrete after 28 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 PT 20, (colour as close to the plaster colour as possible).

Expiry date and batch number on the container.

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 Silicate Primer GT 20 (up to 1,5%). The amount of primer added should be the same for each container. An addition of primer may contribute to change of plaster properties and its colour. Do not interfere with compound content by adding cement, sand or other components. Do not add water.

Apply with a 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.

In order to avoid discolouration while applying coloured silicate plasters, it's necessary to apply the plaster which holds the same batch number (expiry date and batch number on the container). In order to avoid possible shade discolouration and texture, work intervals must be scheduled beforehand (e.g. in corners and bends, under drain pipes, colour contacts etc.). Detailed information about the product can be found in Technical Data Sheet.

COMMENTS/RECOMMENDATIONS: Use at the substrate and ambient temperature between +10°C and +25°C and max. relative air humidity 80%. Do not apply on hot substrate. During 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. The product contains water glass, which can be aggressive towards glass, metal and wood. Prior to plaster application, it's necessary to protect these materials carefully. 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, the manufacturer shall not bear any responsibility.

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.

BEST BEFORE DATE

12 months from the date of manufacture

CONTAINERS

25 kg

EFFICIENCY

An average consumption depends on substrate preparation:

Grain thickness	Hand Application
	Bark beetle / Sheep fleece
approx. 1,5 mm	2,0 – 2,5 kg/m ²
approx. 2,0 mm	2,7 – 3,0 kg/m ²
approx. 2,5 mm	3,3 – 3,7 kg/m ²
approx. 3,0 mm	4,1 – 4,6 kg/m ²

COLOURS

178 colours

STANDARDS, TESTS AND CERTIFICATES

MANUFACTURER: Fabryka Farb i Lakierów Śnieżka SA, 39102 Lubzina 34A,

Production plant: Fabryka Farb i Lakierów Śnieżka SA, 39-205 Pustków 604

The product comprises a set of products for external wall insulation of buildings by taking advantage of FOVEO TECH S System

covered by Technical Approval AT-15-8290/2011 + ANNEX no. 1 and a set of products for insulation of buildings by taking advantage of FOVEO TECH W covered by AT-15-8291/2011

Declaration of conformity no. 01/FTS/2010, edition 4 as of 07.03.2013

Declaration of conformity no. 02/FTW/2010, edition 4 as of 07.03.2013

Certification body: Building Research Institute in Warsaw

EN 15824

Exterior and interior plaster based on organic binder

Water vapour permeability: V2

Water absorption: W2

Adhesion: $\geq 0,3$ MPa

Durability: NPD

Thermal conductivity $\lambda_{10, dry}$ 0,83 W/m×K (Values acc. to tables)

Reaction to fire: Class A2-s2, d0

THE DECLARATION OF PERFORMANCE NO.

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.