

Silicone structural plaster "Bark beetle"

Specification

The product is ready to use. It creates a weather-resistant coating with low water permeability, resistance to mechanic load, aggressive effect of nature and different dirt. It is vapor permeable, flexible, has high adhesion. It can cover small cracks. It is easy to use and to form a structure.



Sphere of application

The plaster is used as finishing coating with structure of "bark beetle" when it is applied on porous and gasconcrete surfaces, mineral plasters, gypsum boards, concrete, gypsum, isolating systems, stone walls, asbestos cement indoors and outdoors. It is recommended for the surfaces with high exploitation load and also for the facade insulation systems.

Technical data

Consumption standard of 1 layer	3,0-3,5 kg/m ²
Thinner	Water . It is allowed to delute (max. 1 % of the total weight).
Application	It is applied with a stainless trowel and structured with a plastic surfer. It is allowed to apply with machine.
Drying period (23 °C, 50% RH)	ab. 3 hours ("to touch") After application of the stucco the surface shall not be effected with falls and frost during 24 hours. Complete drying of the surface is in 72 hours. . Drying period increases when the temperature is getting down and the relative air humidity is getting higher.
Solids content (DSTU ISO 3251)	82,5±2 %
Density (DSTU ISO 2811-1)	≈ 1,92 g/cm ³
Gloss (DSTU ISO 2813)	No data (no data, G ₀ , DSTU EN 1062-1)
Dry film thickness	It corresponds the size of grain, ≈ 2,0 mm, for single layer coating (> 400 microns, E ₅ , DSTU EN 1062-1)
Particle size	max. 2000 microns, (hard-grained, > 1500 microns, S ₄ , DSTU EN 1062-1)
Vapor permeability (EN ISO 7783-2)	more than 150 g/(m ² *24h), (high, > 150 g/(m ² *24h), V ₁ , DSTU EN 1062-1)
Water permeability (DSTU EN 1062-3)	max. 0,1 kg/(m ² *h ^{0,5}), (low, < 0,1 kg/(m ² *h ^{0,5}), W ₃ , DSTU EN 1062-1)
Marking acc. to the DSTU EN 1062-1	G ₀ E ₅ S ₄ V ₁ W ₃ A ₀ C ₀
Non-volatile matter by volume (DSTU ISO 3233)	66,5±2 %
VOC content (ISO 11890)	< 20 g/l
Warranty period	24 months , (at the temperature from +5°C till +35 °C)
Packaging	18 kg, 30 kg
Color	white (base A).

Composition

Acrylic dispersion, silicone emulsion, pigments, extenders, water, additives.



Tinting

It can be tinted manually with Pigment Concentrate Farbex Color, other waterborne coloring pastes or with a coloring machine acc. to NCS color range and others.

Application instruction

1 Preliminary preparation

Uncoated surfaces: Clean thoroughly from loose coatings, dust, oil, grease and other dirt. New stucco coatings shall not be treated before 2-4 weeks.

Coated surfaces: Clean the surface thoroughly from old loose coatings (loose paint or varnish) in mechanical (a scraper, a wire brush), thermal (hot air fan, infrared radiation) or chemical way (paint removal solution). Chalk and lime-chalk coatings shall be removed till hard surface mechanically. The surface shall be cleaned from different dirt. Surfaces previously coated with alkyd or oily enamels shall be sandpapered and then apply Beton-kontakt TM Farbex. Then treat the surface as uncoated surfaces.

Defects of the surfaces shall be plastered.

It is recommended to treat the surface with Antiseptic TM Farbex for protection against mould and fungi.

2 Priming

Extremely absorbing surfaces shall be treated with Deep penetrating silicone primer TM Farbex.

It is necessary to apply a layer of Silicone Primer Paint with quartz filler TM Farbex. Primer paint shall be tinted in the color of decorative stucco.

Beton kontakt TM Farbex shall be applied in one layer in the case of complicated bases. Also, it shall be tinted in the color of decorative stucco.

3 Applying

Stir carefully before use.

The product shall be applied on the surface in 1 layer with a stainless trowel or suitable machine for application. Remove extra product from the surface right after application making grain-size thickness of the layer and evenly structured with plastic plasterer's trowel. Depending on the direction of the tool move (vertical, horizontal, or circle-like, etc.) different structures of the "bark beetle" are achieved.

If application is performed manually there shall be two persons as the work on one flat area shall be performed constantly with the "wet to wet" method. The structure of the surface shall be formed with the same instrument on the whole surface. Don't let the edge of applied product getting dry.

When the product is applied with machine the nozzle shall be chosen exactly in accordance with the size of the grain (nozzle size shall have a diameter of 4 grains). Necessary working pressure shall be 0.3 - 0.4 MPa (3-4 bar). If the required structure achieved with machine application, there is no need to use structure-forming tools.

The temperature of air and the surface under application shall be from +5 ° C till +30 ° C, maximal relative air humidity shall be 80%.

Do not apply the stucco under direct sunlight, strong wind, frost and atmospheric precipitation.

4 Tool cleaning

Clean tools with water after application. Do not let them dry. Dry product shall be removed from the tools in mechanical way.



 **SAFETY**

Do not mix with other products and (or) organic solvents! Keep in tightly closed original containers at the temperature from +5 °C till +35 °C. Keep out of moisture, direct sunlight, frost and out of reach of children. During application use personal safety gear (work clothes, rubber gloves, a respirator and safety glasses). If application is indoors well-arranged ventilation shall be provided. If skin contact, wash thoroughly with water and soap. If eye contact, rinse with plenty of running water. Consult a doctor if necessary. VOC content: cat. A/l (WB): <200 g/l. Actual VOC content ≤ 60 g/l. More detailed information you can read from the safety data sheet. The product has a sanitary-epidemiological conclusion of the state expertise.

 **ENVIRONMENTAL PROTECTION**

Do not empty into drains, ponds and in soil ! Liquid rests shall be delivered to the waste drop-off point. Rests of dry products and empty containers shall be recycled as common construction waste, in accordance with the Law.

The authenticity of this information is based on laboratory tests and practical knowledge. The quality of the product completely corresponds to the demands of TU U 20.3-32318370-017:2018. As a manufacturer, the company isn't responsible for the damage caused by application, which is not in accordance with the directions. The applicability of the product for specific purposes shall be defined entirely by the consumer. Current information loses validity with the issue of a new edition.

