

PROGRESIL

silicone-silicate plaster,
sand-finish and scratched structures

PROPERTIES

- easy application and texturing with a trowel
- a large selection of structures and granulations
- increased resistance to algae and fungi
- high hydrophobicity
- good water vapor permeability
- high flexibility after drying
- wide range of colors
- high color stability

APPLICATION

Ready-to-use silicone-silicate plastering compound, intended for decorative and protective coatings in the SEMPRE TERM ST, SEMPRE TERM ST RENOWATOR and SEMPRE TERM WM building insulation systems and for use outside buildings on typical construction substrates, also covered with acrylic paints. Also suitable for renovation. To be applied with a trowel. Available in a range of colors corresponding to the IMPRESSIO and MASSIMO color palettes or colored according to the provided model. Available in many granulations, and sand-finish (textured) and scratched (rustic-look) structures. Before applying the plaster, prime the substrate with PROGRESIL GRUNT or MULTI GRUNT.

TECHNICAL SPECIFICATIONS

Product Group	Thin-layer plastering mixes			
Core Components	Binder, titanium white, calcium carbonate, water, performance modifiers, preservatives			
Color	White and in accordance with the IMPRESSIO, MASSIMO color charts or to the provided model.			
Coating	structural			
Parameters	Parameter	Standard	Value	Unit
	Volumetric density	EN ISO 2811-1:2016, IDT	1.9–2.0	g/cm ³
	Dry-matter content	EN ISO 3251:2008, IDT	88.2±5	%
	Water vapor permeability, V	EN 15824: 2017, IDT	V ₂	---
	Relative diffusion resistance S _d	EN ISO 7783:2018-11	0.164	m
	Surface absorption coefficient W	EN 15824: 2017, IDT	W ₂	--
	Adhesion	EN 15824: 2017, IDT	≥ 0.3	MPa
	Thermal conductivity	EN 15824: 2017, IDT	Char. not det..	
	Fire resistance	EN 13501-1: 2007 +	B-s2, d0	-

	A1:2009		
Coating thickness	-	Depending on granulation	-

Yield	Structure:	Grain size [mm]	Average consumption*	Unit
	Sand-finish (textured)	1.0	1.8	kg/m ²
		1.5	2.3	
		2.0	3.0	
		2.5	3.7	
		3.0	4.5	

Yield	Structure:	Grain size [mm]	Average consumption*	Unit
	scratched (rustic finish)	1.5	2.3	kg/m ²
		2.0	3.0	
		2.5	3.7	
		3.0	4.5	

The specified parameters are average values obtained during the tests. Due to the use of natural raw materials, actual values may slightly differ from those provided in the table.

* Yield depends on the substrate and application technique. The value provided is indicative.

HOW TO USE:

Substrate

The substrate should be clean, structurally sound, compact, even and degreased. Loose dust and contamination as well as poorly bonded coatings of old emulsion paints should be carefully removed. Fill any unevenness and damages with appropriate leveling mortars (BUDOMONT ZT-620, BUDOMONT ZS-640). Surfaces infected with fungi and algae must be disinfected using ALGHESIL algae and fungus remover. New cement plasters must be allowed at least two weeks to cure.

Priming

24 h before applying the plaster, prime the substrate with PROGRESIL GRUNT or MULTI GRUNT primer. To reduce the showing-through of the substrate color, it is recommended to use a primer in a color matching the plaster color.

Application

Apply the plaster to the thickness of the grain with a stainless steel float. The appropriate thickness of the coating is obtained by repeatedly dragging the steel float. The surface prepared in this way should be immediately float-finished with a plastic trowel until the required texture is obtained. Plaster with a sand-finish structure is floated with circular movements, while plaster with scratched structure - with longitudinal ones. It is recommended to work in temperatures from 5 to 25 °C. Do not use on surfaces exposed to sunlight or in rainy weather.

Dilution

The product is ready for use. If necessary, dilute with water in an amount not exceeding 1%. Too much dilution can cause a decreased hiding power, resulting in the appearance of discoloration.

Drying

At a temperature of 20 °C and a relative humidity of 55%, the coating drying time is approx. 24 h. Complete curing occurs after approx. 48 h. Low temperature and high humidity extend the drying time even by a few days. Protect the coating against precipitation until it is completely dry.

Tools cleaning

With water, immediately after use.

PACKAGING

25 kg

STORAGE

Store in a cool, but frost-free room, in the original, closed packaging.
The product is unusable after freezing. The expiry date can be found on the lid of the packaging.

ADDITIONAL INFORMATION

In foamed polystyrene-based building insulation systems, do not use dark colors of plaster coatings, because in the summer the southern walls are excessively heated, which reduces the durability of the system. In such situations, the manufacturer recommends choosing colors with the brightness factor Y greater than 20% (the value is specified under each color in the SEMPRE color chart). Colors with lower Y values should only be used as a decorative element, representing maximum 10% of the surface constituting a separate architectural feature.

APPROVALS, CERTIFICATES, TECHNICAL ASSESSMENTS, DECLARATIONS**Declaration of Performance No. TPR/DWU-4/2018**

ITB Technical Approval No. AT-15-6383/2016 "Sets of products for insulation of external walls of buildings with the SEMPRE TERM ST PL and SEMPRE TERM ST RENOWATOR systems"

The product covered by the Factory Production Control - **National FPC Certificate No. F-013-BG-068**

European Technical Assessment No. ETA 17/1027 of 10/09/2018 "SEMPRE TERM ST - External Thermal Insulation Composite Systems (ETICS) with rendering insulation product -- expanded polystyrene (EPS)"

European Technical Assessment No. ETA 16/0633 of 28/02/2017 "SEMPRE TERM WM - External Thermal Insulation Composite Systems (ETICS) with rendering insulation product mineral wool (MW)"

HEALTH AND SAFETY/FIRE PROTECTION

Keep away from children. The product is non-flammable. Pursuant to the applicable law the product is not classified as hazardous. Observe the basic health and safety principles during work. In the event of eye contact, rinse with plenty of water and seek medical advice. Use as intended.

Contains 5-chloro-2-methyl-2H-isothiazol-3-one [EC No. 247-500-7], 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 4,5-dichloro-2-acetyl-2H-isothiazol-3-one [EC No. 264-843-8]. May cause an allergic reaction.

The manufacturer guarantees the quality of the product, but has no impact on the way it is applied. The information provided herein is based on the manufacturer's knowledge resulting from many years of observation of practical applications. These, however, do not replace the professional training of the user, nor release the user from compliance with good construction practices and OHS regulations, hence they do not constitute grounds for settling disputes in court. If you have questions or concerns, please contact the manufacturer.