



Graffiato Silox

Siloxane Coating Medium Large

CODE 5012



COLOUR

36 dyes from colours chart – more than 170 colourings from Plastimur swatch book. Moreover, with the new tintometer colorization system, it is possible to obtain countless paints.

PACKAGING

Plastic drums litographed of kg 25 net weight.

STORAGE

12 months at least in its original packaging far from low and high temperatures.

CHARACTERISTICS

GRAFFIATO SILOX is a coloured mineral thick-layered coating, in paste ready to use, conceived for the finishing, decoration and protection of interior and exterior facades. It is composed of selected aggregates, inorganic pigments and specific admixtures, all bound with resins acryli-siloxane. It is a transpiring product, resistant to chemical and atmospheric agents, moulds, algae and fungus attacks, low and high temperatures, excellent stability to water-vapour over time. It is compliant to the low EN 15457 (fungus development resistance) and EN 15458 (algae development resistance).

APPLICATION FIELDS

Thanks to its look and its composition based on acrylic-siloxane resins, it has got an excellent adhesion on lime or cementitious substrates, on dehumidifying and mineral plasters, insulating coatings, old and new buildings; in case of renovations it is suggested to remove any eventual synthetic coating before the application.

APPLICATION PROCEDURE

SUBSTRATES PREPARATION

Substrates conditions and their preparation are at the base of a good result for the coloured coating (not referring to application's performance quality). Substrates may be in cementitious base or lime; then they may be solid, dry and perfectly cured; No grease traces, dust, humidity rejection, saltpetre, and anything could compromise a good bonding. To prevent mould developments and bacterial attacks, before the product application, it is necessary to treat the surfaces with PREVEN R50.

In case of restoration, before the application it is recommended to remove eventual synthetic coatings or damaged parts, restoring with cementitious mortar, then let cure all the adjustments effectuated before the application. Before the application, smooth the surface with RASOCER KR, treat the substrates for all the surface at least 24 hours with adequate fixative PRIMAR SILOX based on acrylic-siloxane resins, with brush or roller, for a better workability, bonding and compactness of the final coating.

PRODUCT PREPARATION

The product is in paste ready to use, already coloured, to mix accurately before the usage, with a drill at a low speed rotations, until you obtain a dough homogeneous.

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Application and finishing of Graffiato Silox by plastic trowel.

APPLICATION

The application is to be effectuated on substrates treated perfectly planar. Apply the product through inox trowel in the granule thickness being careful in distributing it homogenously.

CONSUMPTION

The consumption depends on the substrate typology and kind of application, so can vary between 2,800-3,200 kg/mq

TECHNICAL DATA

PRODUCT IDENTIFICATION DATA

Colour	36 dyes from colours chart – more than 170 colourings from Plastimur swatch book. Moreover, with the new tintometer colourization system, it is possible to obtain countless paints.
Appearance	Paste
Granulometry	Granule max 2,0 mm

APPLICATION DATA

Preparation	Ready to use
Application	With inox and plastic trowel
Brilliance	Opaque
Drying	Good
Consumption	2,800-3,200 kg/mq

FINAL PERFORMANCE

The product corresponds to the following characteristics according to standard EN 15824:2009, law EN 15457 (fungus development resistance) and law EN 15458 (algae development resistance):

Factor of water absorption through capillarity W_{24}	0,02 kg/m ² h ^{0,5} reference value < 0,1 kg/m ² h ^{0,5}
Permeability to vapour Sd for one layer of 1,2 mm	0,09 m reference value < 0,14 m
Adhesion to the substrate	> 2,8 N/cm ²
Reaction to water-freeze cycle tear resistance 10 cycles water (+15°C) and freeze (-10°C)	5,8 N/2 cm

Permeability to water vapour	EN	7783-2	V_2 ($V=46$ g/(m ² · d)) $S_d=0,46$ m
Water Absorption	EN	1062-3	W_3 ($W=0,02$ kg/m ² xh ^{0,5})
Adhesion	EN	1542	≥ 0,3 MPa (2,20 MPa)
Thermal Conductivity	EN	1745	$\lambda = 0,85$ W/mK
Reaction To Fire	EN	13820 e 13501-1	C Euro-Class

WARNINGS

Apply the product at temperatures between +5°C and +30°C.

During the handling protect eyes and hands cause the product is alkaline. Protect also the parts not interested for the coating.

Protect with mask and clothes adapted.

Continuity with no interruptions is highly recommended for the work's good result; otherwise cut and/or interruptions may be done; than continue in 15 days maximum, preferably at the same weather conditions in order to avoid colouring differences.

Substrate may be dry, homogeneous and perfectly cured, so any eventual adjustment effectuated with cementitious mortar or levelling with cementitious smoothings, even at low thickness, may be completely cured. In hot periods it is suggested to soak eventual reinstatements and smoothings effectuated to accelerate the curing, in order to avoid shades which could be evident and, in some cases, possible colour modifications or efflorescences (carbonisation) of the colour itself, depending on the colour type.

Do not apply on frozen substrates, or during thawing or frost risk.

Do not apply in windy conditions or heavy rain.

Do not apply on overheated substrates.

It is suggested not to apply the product on surfaces with high humidity or saltpeter; eventually effectuate previously the dehumidifying treatment with ALBUSIL ANTISALE, or Osmotic Mortar or Dehumidifying Render IDROSTOP of Plastimur s.r.l..

ITEM SPECIFICATION

Decoration and protection of interior and exterior surfaces with coloured finishing potassium-silicates based, GRAFFIATO SILOX of Plastimur s.r.l, ready to use, composed of selected sands, inorganic pigments and specific admixtures, all bound with specific resins and acrylic-siloxane, applied manually in only one coat in a total thickness of 2,0 mm with inox trowel after fixative coating of Primar Silox; then finished with plastic trowel with circulating movements, with an average consumption of 2,800-3,200 kg/mq.