



Graffiato Sil

Coating potassium-silicate based medium-coarse

CODE 5011



COLOUR

6 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

It is 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 specific resins and potassium-silicate.

It is a transpiring product, resistant to chemical and atmospheric agents, moulds, algae and fungus attacks, low and high temperatures, excellent stability over time.

APPLICATION FIELDS

Thanks to its look and its potassium-silicate composition, it has got an excellent adhesion on cementitious base substrates, old and new buildings, on lime base plasters, on cementitious skim coats; in case of renovations it is suggested to remove any eventual synthetic coating before the application.

MODALITÀ DI APPLICAZIONE

APPLICATION PROCEDURE

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 (28 days); 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 old damaged coatings, restoring with cementitious mortar or skim coat at low thickness, and let cure all the adjustments effectuated before the application. Before the application product, substrates have to be treated, 24 hours before and for the entire surface, with adapted fixative PRIMAR SIL in silicate-resins base, through roller or brush 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.

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 homogeneously.



Applicazione a rullo o pennello di una passata di fissativo Primar Sil per rivestimenti ai silicati



Applicazione di Graffiato Sil con spatola metallica



Finitura della superficie con fratazzo in plastica

CONSUMPTION

The consumption depends on the substrate typolgy and kind of application, so can vary between 2,800 – 3,200 kg/mq (mq 7/8 per drum kg 25).

TECHNICAL DATA

PRODUCT IDENTIFICATION DATA

Colour	6 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
Filling	Good
Drying	Good
Consumption	2,800-3,200 kg/mq

FINAL PERFORMANCE

The product corresponds to the following characteristics according to standard EN 15824:2009:

Permeability to water vapour	EN	7783-2	V_2 ($V=449 \text{ g}/(\text{m}^2 \cdot \text{d})$) $S_d = 0,05 \text{ m}$
Water absorption	EN	1062-3	W_3 ($W=0,08 \text{ kg}/\text{m}^2\text{xh}^{0,5}$)
Adhesion	EN	1542	$\geq 0,3 \text{ MPa}$ (2,02 MPa)
Thermal conductivity	EN	1745	$\lambda = 0,85 \text{ W}/\text{mK}$
Reaction to fire	EN	13820 e 13501-1	Euroclasse C

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 finishing in coloured paste potassium-silicate base, transpiring, ready to use, GRAFFIATO SIL of Plastimur s.r.l., composed of selected sand, inorganic pigments, specific admixtures, all bound with specific resins and potassium-silicate, applied manually in one coat, after fixative coating of Primar Sil, with inox trowel in a total thickness of 2,0 mm, and then finished with plastic trowel with circulating movements, with an average consumption of 2,800 – 3,200 kg/mq.