

Novasil F

Low thickness siloxane wall coating, anti-mould

GENERAL FEATURES:

NOVASIL F is an exterior finishing coat made of water-based acrylic-siloxane resins, covering inerts and anti-mould agents, formulated the protection of exterior walls.

NOVASIL F guarantees the following performances:

- water repellence
- permeability to water vapour
- high washability
- resistance to atmospheric and polluting agents
- resistance to the alkaline environment typical of concrete and plaster coats

USES

NOVASIL F is highly recommended on:

- New and pre-existing plasters made of hydraulic binders
- Concrete surfaces
- Old paints and organic or mineral coatings, dry, absorbent and compact
- Various mineral substrates, only if absorbent

IDENTIFICATION FEATURES

Binder nature: water-based acrylic-siloxane co-polymer

Density:

Novasil F White: 1,50 +/- 0,05 g/ml

Novasil Base Deep: 1,50 +/- 0,05 g/ml

Novasil Base Accent: 1,50 +/- 0,05 g/ml

PERFORMANCES

Classification UNI EN 1062-1 (exterior paints):

Gloss EN ISO 2813: class G3 (< 10 matte)

Diameter of dry film ISO 3233: class E3 (100-200 µm)

Granulometry EN ISO 1524: class S2 (< 300 µm medium)

Water vapour transmission rate UNI EN ISO 7783-2: class V1 ($0,14 \leq S_d \leq 1,4$ m, high)

Water permeability rate UNI EN 1062-3: class W3 ($W \leq 0,1$ low)

Resistance to cracking UNI EN 1062-7°: class A0 (not relevant)

Permeability to CO2 UNI EN 1062-6: class C0 (not pertinent)

Further characteristics:

Maximum granulometry of fillers: 125 µm

Washing resistance UNI 10560: > 10000 cycles, excellent

Resistance to alkali UNI 10795: resistant

Facades protection for Kuenzel theory DIN 18550: $W < 0,5$ Kg/m²h^{0,5}, $S_d < 2$ meters

DILUTION

Novasil F: dilute the first coat with approximately 35-40% of water. The second coat must be diluted with 20-25% of water if applied with brush or with 10-15% of water if applied with woolen roller

WARNING

Properly mix the product before coloration and application.

Do not apply on wet and alkaline substrates. Wait for an adequate maturation time, generally of 4 weeks.

SUBSTRATE PREPARATION

The substrate must be perfectly smooth, dry, dust-free, with no

humidity and salt stains.

Remove mechanically, or with an high pressure washing peeling, highly damaged or in state of detachment areas, dirt stains, mildew or oil spots. Protect the steel reinforcement structure and re-built the missing volumes with appropriate shrinkage mortars. Wait the substrates to mature before to start the application process.

Apply one coat of **Isosilcolor** (acryl-siloxane pigmented sealer) diluted with a brush on consistent and non-chalky surfaces; **Decofix** (micronized neutral sealer) on no-compact and chalky substrates. On complete dry surface, apply one coat of Novasil F diluted with a brush. Remove any imperfections and exceeding amounts of product if any. Wait the surface dries out, then apply a second coat of Novasil F diluted with brush or with woolen roller.

Drying time: approximately 48 hours depending on the kind of substrate and its absorption rate, in stable atmospheric conditions.

RECOMMENDATIONS

During the entire application process, the product must protected from cold and high heat changes.

Do not apply with air, substrate and product temperature lower than +5°C and higher than +35°C, nor under direct sun light, nor on superheated surfaces (even if already in shadow).

Environmental humidity must be <75%; substrate humidity must be <10%.

It is advisable to complete each work with materials from the same batch of production. When using multiple batches, it is recommended to remix the various products together to avoid slight differences in shading.

For the correct use, dilution and application of the products here mentioned, consult their respective technical data sheets.

During the preparation of the substrate and application of the products, it is recommended the correct use of tools and individual protective devices (dpi).

TOOLS CLEANING

With water, immediately after their use

YIELD

Novasil F: 4-5 m²/lt, for the 2 coats, depending on the kind of substrate and its absorption rate

COLOUR RANGE

White, Linea Sil color card and Progetto Colore 2010 color card

PACKAGING AND SHELF-LIFE

14lt pails

SHELF LIFE

The packaged product is guaranteed for 24 months, if stored in the original sealed packages and at temperatures between +5°C and +35°C.

SECURITY PROCEDURES

EU Policy 2004/42/CE:

Novasil F (coatings for exterior walls of mineral substrate)

EU limit values for Novasil F (cat A/l): 40 g/l (2010)
Novasil F contains maximum 40 g/l of VOC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment / Keep out of the reach of children / Do not empty into drains / Wear suitable protective clothing and gloves / If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste.
For more information see the safety data sheet.

NB- NOVACOLOR ensures that the information herein has been provided to the best of its experience and its technical and scientific knowledge, but cannot take any responsibility for the results obtained by using them as the conditions of application are beyond its control. We recommend to check the suitability of the product to each specific instance. This TDS cancels and replaces all previous editions.