

# Intosil Medio

Anti-mould acrylic-siloxane plaster coating for exteriors, medium grain

## GENERAL FEATURES

**Intosil Medio** is an anti-mould acrylic-siloxane plaster coating for exteriors, medium grain (0,5-1,0 mm), made of styrene-acrylic copolymers in water dispersion, siloxane resins and modifiers, selected marble putties, quartz aggregates and selected anti-mould agents.

## USES

Due to the high transpiration and water-repellence, Intosil Medio is the ideal coating for all kind of substrates, mineral and synthetic. Due to its durability and high permeability, **Intosil Medio** is highly recommended for:

- Facades with no molding protection and with high exposure to atmospheric agents.
- New renderings or plasters
- Pre-existing lime plasters
- Concrete or prefab surfaces
- Insulating systems

## IDENTIFICATION FEATURES

Binder nature: acrylic and styrene copolymer in water dispersion with siloxane resins

Density:

**Intosil Medio white:** 1,87 +/- 0,05 g/ml

**Intosil Medio Base Accent:** 1,84 +/- 0,05 g/ml

## PERFORMANCES

**Alkali resistance UNI 10795:** alkaliproof

**Water permeability per UNI EN 1062-3:** low,  $w < 0,1 \text{ kg/m}^2\text{h}^{0,5}$  for white product

**Water vapor permeability per UNI EN ISO 7783-2:** high,  $S_d < 0,14 \text{ m}$  – for white product

**Masonry preservative in conformity with the Kuenzle theory per DIN 18550:**  $W < 0,5 \text{ kg/m}^2\text{h}^{0,5}$  and  $S_d < 2 \text{ meters}$

**Mold and algae resistant per UNI EN 15457 and UNI EN 15458**

**Drying (at 25°C and 65% R.H.):** from 1 hour and 30' to 3 hours, depending on the thickness applied.

## DILUTION

**Intosil Medio:** ready for use, not to be diluted

## WARNING

Properly mix the product before tinting and application.

Do not apply on fresh/new substrates; wait a maturation period, generally of 4 weeks.

## SUBSTRATE PREPARATION AND APPLICATION

(referred to environment conditions  $T=25^\circ\text{C}$ ,  $UR=60\%$ )

The substrate must be perfectly dry, dust-free, with no humidity and salt stains.

Resurface or consolidate the surface with specific products if necessary.

In case of mould, treat the surface with suitable specific products.

Brush or remove any efflorescence and old peeling paint.

Higher layers of old lime-based paint and tempera paint must be

removed.

Brush out dust, smog or other deposits before the application.

In case of non-homogeneous or chalky surfaces, apply one layer of **Decofix** (micronized wall sealer) diluted, with a brush.

In case of compact and non-chalky substrates, it is possible to apply one layer of **Acricolor** (coloured highly permeable water-based siloxane primer) diluted, with a brush.

Once the substrate is completely dry, apply one coat of **Intosil Medio** with a stainless steel trowel.

Remove any imperfections and/or any exceeding amount of product.

To obtain a uniform effect paint over the surface still wet with a stainless steel trowel; alternatively, work into the surface with a sponge trowel for a rough-look effect.

If required on site, once the surface is completely dry, apply a second coat of **Intosil Medio** following the same procedure.

Drying time: 72 hours approx. depending on the kind of substrate, absorption rate and environmental conditions.

It is possible to reach colourful velaturas/patinas by applying on the surface completely dry one or more layers of **Fase Silossanica**, diluted, with sponge or glove depending on the desired effect.

Drying time: 24 hours approx. depending on the kind of substrate, absorption rate and environmental conditions.

**The level and duration of the protection from mold and algae depends on climatic and environmental conditions, type of building and application system chosen.**

## RECOMMENDATIONS

During the entire application process, the product must be protected

from cold and high heat changes.

Do not apply with air, substrate and product temperature lower than  $+5^\circ\text{C}$  and higher than  $+35^\circ\text{C}$ , 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 application of specific tints of **Intosil Medio** on insulation systems, it is recommended to check first the feasibility of the tint.

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

**Intosil Medio:** 1,75-2,0  $\text{kg/m}^2$  for single layer, depending on the kind of substrate and absorption rate.

Technical Data Sheet: Intosil Medio

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It is advisable to determine the real yield with a preliminary test on the specific substrate.

#### **COLOURS**

White, **Linea Sil** colour card and **Progetto Colore** colour swatch.

#### **PACKAGING**

25 kg cans for **Intosil Medio white**.

24 kg cans for **Intosil Medio Base Accent**

#### **SHELF LIFE**

The packaged product is guaranteed for 24 months, if stored in the original sealed packages and at the adequate temperatures.

#### **SECURITY PROCEDURES**

EU Directive 2004/42/CE:

**Intosil Medio** (coatings for exterior walls of mineral substrate)

EU limit values for **Intosil Medio** (cat A/c): 40 g/l (2010)

**Intosil Medio** 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.

N.B. - NOVACOLOR guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets.