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Intosil Medio

Acrylic-siloxane skim coat with high water repellency and breathability, anti-algae



INTOSIL MEDIO - V.2026-07-03

PRODUCT DESCRIPTION

Intosil Medio is a thick-film acrylic-siloxane skim coat with medium grain (0.5-1.0 mm) for exterior use, featuring high water repellency and good vapour permeability. It allows the achievement of a finish very similar to that of mineral renders.

The product is enhanced with specific active ingredients that protect the dried film against mould and algae attack, ensuring greater durability and resistance to weathering.

USES

The high breathability and water-repellency properties make it suitable for all types of mineral and synthetic surfaces.

Thanks to its exceptional resistance to wash-out and high permeability, **Intosil Medio** is recommended for:

- Facades without protective cornices and exposed to significant weathering
- New renders with civil (fine) or rough finish
- Old lime-based renders
- Concrete and precast surfaces
- Surfaces treated with external thermal insulation systems

IDENTIFICATION FEATURES

- Binder type: acrylic and styrenic copolymer in dispersion with siloxane modification
- Density: 1.87 ± 0.05 g/ml

PERFORMANCES

- Alkali resistance UNI 10795: resistant
- Liquid water permeability UNI EN 1062-3: low, $w < 0.1 \text{ kg/m}^2\text{h}^{0.5}$ – values measured on white
- Water vapour permeability UNI EN ISO 7783-2: high, $S_d < 0.14 \text{ m}$ – values measured on white
- Facade protective coating according to Kuenzel theory DIN 18550: $W < 0.5$

kg/m²h^{0.5} and Sd<2 m

- Resistant to mould and algae according to UNI EN 15457 and UNI EN 15458

- Drying time (at 25 °C and 65% R.H.): complete drying from 1 hour 30 minutes to 3 hours, depending on the applied thickness.

DILUTION

Ready for use.

WARNINGS

Thoroughly mix the material before tinting and before application.

Do not apply on fresh or potentially alkaline substrates; allow an adequate curing time, generally about four weeks.

Application on concrete (RC) surfaces has a purely decorative function.

SUBSTRATE PREPARATION

(Referred to environmental conditions T=25 °C, RH=60%)

The surface must be dry and free from dust and moisture salt stains.

If necessary, proceed with restoration or consolidation of the substrate using specific products.

In the presence of mould, treat the surface with suitable products.

Remove, by brushing or washing, any efflorescence present and flaking areas of old paints.

Completely remove any thick layers of limewash or distemper paints. Remove deposits of dust, smog and other contaminants by brushing.

On dry and sound substrates, apply one diluted coat of **Decofix** (micronized wall fixative) with a brush.

On solid, non-powdery substrates, a coat of **Acricolor** or, alternatively, **Underskin** (pigmented water-based acrylic fixative) may be applied. For correct application, refer to the relevant technical data sheet.

Allow the fixative to dry and then apply one coat of **Intosil Medio** with a stainless-steel trowel.

Remove any imperfections or material build-ups. Rework the still wet surface with a stainless-steel trowel to obtain a compact finish, or with a sponge float to achieve a rustic effect.

If necessary, for aesthetic or site requirements, a second coat of **Intosil Medio** may be applied on a dry substrate, following the same application methods described above.

Drying time: approximately 72 hours, depending on the type of substrate, its absorbency and environmental conditions.

Coloured washes similar to the traditional finishes of historic centres can be achieved by applying, on a completely dry surface, one or two coats of **Antiche Patine Fase Silossanica**, diluted and applied with a sponge or glove, depending on the desired effect.

Drying time: approximately 24 hours, depending on the type of substrate, its absorbency and environmental conditions. **The protection provided by anti-mould and anti-algae finishes is sacrificial in nature: effectiveness and durability over time are strongly influenced by the severity of climatic and environmental exposure, construction type and the chosen application system.**

RECOMMENDATION

The material must be applied while protecting it from frost and severe temperature fluctuations throughout the entire application cycle.

Do not apply when air, substrate or product temperatures are below +5 °C or above +35 °C, nor under direct sunlight, nor on overheated surfaces (even if already in shade).

Ambient humidity must be <75%; substrate moisture must be <10%.
It is recommended to complete each job using materials from the same production batch.
When using different batches, it is advisable to mix them together to avoid slight colour differences.
For coloured applications of **Intosil Medio** on external thermal insulation systems, check the feasibility of the selected colour beforehand.
For the correct use of the mentioned materials, dilution ratios and application methods, please refer carefully to the relevant technical data sheet.
During all phases of substrate preparation, product handling and application, the correct use of tools and personal protective equipment (PPE) is recommended.

CLEANING OF TOOLS With water, immediately after use.

YIELD 1.75-2 kg/m² per single coat, depending on the type of substrate and its absorbency. It is advisable to check the actual coverage by carrying out a preliminary test on the specific substrate.

COLORS White and colours from the **Outsiders** and **Progetto Colore** colour charts.

PACKAGING 25 kg packs

STORAGE LIFE CONDITIONS This product must be used preferably within 2 years from its production date if kept in its original un-opened container and in conditions with suitable temperature.

SECURITY PROCEDURES Limit value EU (Dir. 2004/42/EC)
Cat. A/c: coatings for exterior walls of mineral substrate (water-base): 40 g/l (2010)
The product contains max: 40 g/l VOC

Use the product according to current standards of hygiene and safety; after use do not litter containers, allow the residue to dry and treat them as special waste. For more information see the safety data sheet.