

Product type

Photocatalytic organic silanized paint for interiors and exteriors

Atriasil Fotocatalitica is a paint based on silanized resins modified in aqueous emulsion with coloring pigment and filler stable to light and weather effect photocatalytic.

The silanized component of the vehicle together with the selection of the pigmentation ensures the product a very high permeability to water vapor or Atriasil Photocatalytic (breathability) and a strong water repellency (impermeability) it does not form after drying a continuous film, but uniformly covers the porosity of the substrate due to the micromolecular size of the binder.

Atriasil Photocatalytic adheres so complete both on mineral substrates and on mineral or synthetic paints.

Fields of Application

Surfaces in civil plaster, fiber-reinforced plaster, concrete, prefabricated concrete, fiber cement, on mineral or plastic plasters and coatings, on mineral or synthetic water-based paint.

Technical characteristics

Appearance		Opaque
Colour		White
Density Kg/Lt		1,40 ± 0,05
Viscosity 25°C		15000 ± 2000 m.Pa.s.
Dry residue in weight		450 ± 2%
Theoretical coverage		7 – 9 sq.m/lit in one coat
Typical thickness		248 wet – 120 dry mm
Dilution		Water (in volume)
Method of application:	Brush	Dilution (in volume) 15 – 25 %
	Roller	Dilution (in volume) 10 – 20 %
Drying 25°C		Do not touch 2 - 3 hours Dry to touch 4 - 6 hours Dry in Depth 12 – 18 hours
Waterproofing coefficient Din 52617		W<0,065 Kg/mq h.1/2
Breathability coefficient Din 52615 Wet Cup		Sd <0.575 m
Minimum / Maximum overcoating		24 hours / no limit
Flash point		Non – flammable
Storage stability		12 months
Standard packages		Lt 14

Note

Important Application Notes:

Apply in favorable climatic conditions (+ 5 ° C / + 35 ° C).

Apply in the absence of wind and there is no threat of rain with relative atmospheric humidity not above 75%.

Protect the treated surfaces from driving rain for at least 48 hours.

Any interruptions during installation must be made in correspondence with edges or technical joints

Do not apply on facades in full sun or in strong winds.

Do not apply any match continuations on the same facade.

The application on surfaces with saline efflorescence with rising damp do not guarantee the adherence of the product on the support, moreover they damage the coloring on the surface with formation of whitish spots or / and uneven runs

Rules of Application

New walls:

Make sure they are completely dry and seasoned for at least 28 days. Clean and remove all traces of dust, dirt; eliminate all non-adherent parts mechanically; store imperfections with CLS-5 skim coat sand and clean. Apply a coat of fixative compatible with Emulfix water, or if the surfaces are very chalking apply a coat of Silofix fixative with siloxane solvent diluted 1: 1 with solvent DSN 300. After 24 hours, apply two coats of Atriasil Fotocatalitica with the method of application of the table summary (see table).

Already painted with paints or synthetic emulsion coatings in excellent condition.

Make sure the surfaces are dry; clean well; remove all traces of dust or dirty.

If there is mold, apply a coat of diluted Sanatrol and then proceed like above (like new wall).

Photocatalytic effect

Photocatalysis is a chemical process that takes place thanks to the use of special nanopigments of titanium dioxide (TiO₂) which, when subjected to the action of sunlight, cleaves the molecules of the pollutants, transforming them into harmless substances for health.

NB: the photocatalytic action occurs only in the presence of a light source (sunlight), which through the action of UV rays it splits the molecules, so the use in indoor environments is irrelevant (the decomposition or photocatalytic reaction does not take place).



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Data sheet : of :

Recommended for Urban, rural, marine atmospheres.


Not recommended for Continuous immersion.

Recommended primers Isoacryl - Isolmur - Murofix – Antifumo – Emulfix.

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