

UMANA VETROCAMERA ACRILSILOSSANICA

SCHEDA TECNICA

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Prodotto: **Umana vetrocamera acrilsilossanica**

Categoria: Umana

Azienda: Loggia

Acrylic-siloxane paint for interiors/exterior with photocatalytic properties Eco-active with SARC patent Innovative system for the abatement and mitigation of environmental pollution according to the guidelines of the D.M. n.13959 dated 01/04/2004.

For the human line, the first research project was implemented to establish the virucidal degradative activity against SARS-COV-2, the pathogen responsible for the covid-19 pandemic. The results of the research have revealed that the active ingredient of Umana has a marked virucidal action against SARS-COV-2. This effect can already be seen at contact times in the order of minutes and remains constant over time..

General Characteristics

UMANA VETROCAMERA ACRIL-SOLOSSANICA is a washable water-based paint with acryl-siloxane resin which makes use of the most recent technological innovations which make it a paint with PHOTOCATALYTIC PROPERTIES. In particular, it exploits the patented SARC1 technology. The photocatalytic antibacterial action, determined by the introduction of silver salts in the formula in combination with nanotechnologies, inhibits and prevents the development of molds which generally proliferate in the environment. Photocatalysis, like chlorophyll photosynthesis, oxidizes pollutants and transforms them into inert agents, which are eliminated outdoors by the action of rainwater. The SARC system stabilizes the applied paint film, protecting it from premature deterioration caused by the photocatalytic action of the active ingredients. The phenomena of photocatalysis, in fact, are omnidirectional, i.e. they attack the organic substances present in the surrounding environment as well as those contained in the paint itself. The SARC system patented by Loggia Industria Vernici constantly and in controlled quantities releases an antioxidant substance of vegetable origin which in fact, unlike other photoactive painting systems, guarantees high photocatalytic activity and high duration and chromatic stability of the support.

Use

Particularly indicated for interior and exterior painting where it guarantees good water repellency and an anti-pollution action. Applicable on plasters based on hydraulic binders, concrete and absorbent conglomerates of various kinds, both new and old, provided they are not chalky.

Preparation



New External Surfaces: Make sure that the substrate is perfectly dry and seasoned - no less than 4 weeks for civil plasters and 2 weeks for premixed plasters. If necessary, level any imperfections with an appropriate exterior mortar; finally sand and clean the surfaces. Then apply a coat of FISSACRIL sealer and after 4-6 hours spread the layer of acrylic Intonachino following the technical indications below.



Painted External Surfaces: Eliminate any traces of mold by brushing away the efflorescences after having treated them with acid. Then sanitize with a coat of MUFFACID. Remove flaky residues of old paint and, if necessary, fill and smooth imperfections with an appropriate mortar for exteriors; sand and clean surfaces. Then apply a coat of FISSACRIL sealer and after 4-6 hours spread the layer of acrylic Intonachino following the technical indications below.



In the case of very crumbling substrates, it is advisable to replace FISSACRIL with ISOL 45 solvent-based sealer.

Application Methods



Brush and Roller: Dilute 20-25% with water for both the first and second coat. Wait 5-6 hours between one application and the next.

Airless: In airless applications the dilution varies depending on the equipment and pressure used.

Warnings: Do not apply on surfaces exposed to the sun.

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	< 85%	
Recommended thickness:	50 ÷ 100	µm per coat
Dust dry:	0,5	h
Repaintable after:	5 ÷ 6	h
Deep dry:	24	h
Tool cleaning:	with water	

Tinting:

The product can be colored with the tintometric systems of the L'ANGELO and L'ANGELO OX lines, as well as with the universal colorants available on the market.

It is advisable to mix different manufacturing batches of the same color together to avoid possible differences in tone during application.

Specific weight:	0,98	Kg/l
Viscosity:	10.000	cPs
pH:	8-9	
Solid in weight:	73%	
Theoretical yield:	10	mq/l
Color	White and Card Colors	
Appearance:	mat	
Packaging:	4 – 10	l

Storage:



The unopened product, stored intact in a dry and cool place, has a storage life of not less than 24 months.



After use carefully close the package and store it upside down.

Minimum storage temperature: + 5 ° C

Maximum storage temperature: + 30 ° C

Safety Precautions:

For all information relating to the handling of the product as well as its correct disposal, please refer to the Safety Data Sheet.

Warnings

The information contained in this sheet is provided to the best of our technical knowledge. However, these indications and suggestions cannot have the value of a guarantee for the applicator, since the conditions of use of the product are beyond our direct control. It is therefore advisable to ascertain the suitability of the product for the specific case with preliminary tests.

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