

# UMANA ACRIL-SILOSSANICA

## SCHEDA TECNICA

Revisione : 06/10/2023

Prodotto: **Umana Acril-Silossanica**

Categoria: Umana

Azienda: Loggia

### DATA SHEET

Product: UMANA FISSATIVO

Category: Umana

Company: Loggia

Revision: 10/18/2021

Washable acrylic-siloxane paint with Ecoactive photocatalytic properties with SARC patent Innovative system for the reduction and mitigation of environmental pollution according to the guidelines of the Ministerial Decree n.13959 of 04/01/2004.

The first research project for this line was implemented to establish the virucidal degradation activity against SARS-COV-2 the pathogen responsible for the covid-19 pandemic. Research results found that Umana active ingredient has a marked virucidal action against SARS-COV-2. This effect is already evident contact times in the order of minutes and remains constant over time.

## **General Characteristics**

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Washable painting with acrylic siloxane resin which makes use of the most recent technological innovations which make it a paint with PHOTOCATALITIC PROPERTIES. In particular, it uses the patented SARC1 technology. The antibacterial photocatalytic action, determined by the introduction of silver ions into the formula in combination with nanotechnologies, inhibits and prevents the development of mold which generally proliferates in the environment.

Photocatalysis, like chlorophyll photosynthesis, oxidizes the agents pollutants and transforms them into inert agents which outside are washed with rainwater. The SARC system stabilizes the applied paint film, preserving it from premature deterioration caused by the photocatalytic action of the active ingredients. The phenomena of photocatalysis, in fact, are omnidirectional, that is 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 releases a substance constantly and in a controlled quantity plant-based antioxidant which, in fact, unlike other photo-active painting systems, guarantees high activity photocatalytic and high durability and chromatic stability of the surface.

## **Application**

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Particularly suitable for painting exteriors where it also guarantees anti-pollution action alongside breathability and water repellency. Applicable on plasters based on hydraulic binders, concrete and absorbent conglomerates of various kinds, both new and old, as long as they are not chalky.

## Preparation



**New Surfaces:** Make sure that the substrate is perfectly dry and cured - no less than 4 weeks for civil plasters and 2 weeks for premixed plasters. If necessary, fill any holes with an appropriate exterior mortar; finally sand and clean the surfaces. Then apply a coat of ISOLANTE SILOSSANICO and after 4-6 hours paint with two coats of UMANA PITTURA ACRIL-SILOSSANICA following the technical instructions below.



**Painted Surfaces:** Eliminate any traces of mold by brushing off the efflorescence after having them treated with acid. Then sanitize with a coat of MUFFACID. Remove flaking residues of old paint



and, if necessary, fill any holes with an appropriate exterior mortar; finally sand and clean the surfaces. Then apply a coat of ISOLANTE SILOSSANICO and after 4-6 hours paint with two coats of UMANA PITTURA ACRIL-SILOSSANICA following the technical instructions below.

In case of very chalky substrates it is advisable to replace the SILOXANE INSULATOR with the solvent-based ISOL 45 insulator.

## 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

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

Specific weight:	1,70 ÷ 1,75	Kg/l
Viscosity:	18.000 ÷ 23.000	cPs
pH:	7-8	
Solid in weight:	68%	
Theoretical yield:	7 – 8	mq/l
Washability	>5000	Brush stokes
Color	White	
Appearance:	Matt - satin	
Packing	2,5 - 4 - 14	l

## Painting:



The product is marketed exclusively in the white color supplied.

It is advisable to avoid coloring the base paint with dyes of any type due to the color degradation effects due to nano-titanium

## **Storage:**

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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:**

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

## **Warnings**

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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.

European Patent

Office

SARC patent: Bactericidal water-based paint based on coupled nanocrystalline semiconductors stabilized through the use of controlled-release antioxidants.

Owner: Loggia Industria Vernici S.r.l.

Filing application : IT2006LT00009 31082006 Year of filing: 2006

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**BVQI certified company for the UNI EN ISO 9001-2000 quality system.**