

# UMANA VETROCAMERA ACRILSILOSSANICA

## SCHEDA TECNICA

Revisione : 02/07/2025

Prodotto: **Umana vetrocamera acrilsilossanica**

Categoria: Umana

Azienda: Loggia

### General Characteristics

UMANA VETROCAMERA ACRIL-SOLOSSANICA is an acrylic-siloxane paint for exteriors that uses the latest technological innovations that make it a WATER-REPELLENT, HEAT-INSULATING paint with PHOTOCATALYTIC PROPERTIES. UMANA VETROCAMERA ACRIL-SILOXANICA uses the patented SARC1 technology: an innovative system for the reduction and mitigation of environmental pollution according to the guidelines of Ministerial Decree no. 13959 of 01/04/2004. 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 film of applied paint, preserving it from premature deterioration caused by the photocatalytic action of the active ingredients. In fact, photocatalysis phenomena 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 S.r.l., constantly releases in controlled quantities, an antioxidant substance of vegetal origin which in fact, unlike other photoactive paint systems, guarantees high photocatalytic activity and high durability and chromatic stability of the support. For the line of Umana line, it was implemented the first research project to establish the virucidal degradative activity against SARS-COV-2, the pathogen responsible for the covid-19 pandemic. The results of the research revealed that the active ingredient of Umana has a marked virucidal action against SARS-COV-2. This effect is evident already at contact times in the order of minutes and remains constant over time.

UMANA VETROCAMERA ACRYLIC-SILOSSANICA combines photocatalytic characteristics and WATER-REPELLENCE given by the siloxane binder and 3M HOLLOW GLASS MICROSPHERES make it also THERMAL INSULATING: the presence of 3M hollow glass microspheres provides good thermal insulation which helps save energy, increasing the efficiency of cooling and heating systems.

### 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 coloured with the MAXXI line colouring systems, as well as with the universal colourants 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.

### **European Patent**

#### **Office**

**SARC Patent: Bactericidal water-based paint based on coupled nanocrystalline semiconductors stabilized by using controlled-release antioxidants.**

**Owner: Loggia Industria Vernici S.r.l.**

**Filing application: IT2006LT00009 31082006 Filing year: 2006**

**Loggia Industria Vernici S.r.l.** Via Colle d'Alba di Levante – 04016 B.go S. Donato - Sabaudia (LT) – ITALY

Tel. (+39) 0773 562212, Fax (+39) 0773 562034. [www.loggia.it](http://www.loggia.it), E-mail [commerciale@loggia.it](mailto:commerciale@loggia.it).

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