

# UMANA VETROINTONACO

## SCHEDA TECNICA

Revisione : 08/11/2023

Prodotto: **Umana Vetrintonaco**

Categoria: Umana

Azienda: Loggia

Synthetic and heat-insulating spatula product with Ecoactive photocatalytic properties with SARC patent

Innovative system for the abatement and mitigation of environmental pollution

according to the guidelines of the Ministerial Decree n.13959 of 04/01/2004.

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 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.

## **General Characteristics**

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**Thick coating for exteriors, thermally insulating with hollow 3M glass spheres with high thermal insulating properties which allows for energy savings of more than 20%. Plastic coating for external surfaces based on acrylic resins in emulsion, siliceous fillers of various grain sizes and inorganic pigments with high resistance to light. Excellent resistance to atmospheric agents and alkalis, good applicability and elasticity, adheres perfectly to the treated surface, providing high water repellency and protection over time.**

## **USE**

Suitable for protecting external wall surfaces to give a rustic effect. 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**

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**New External Surfaces:** Make sure that the support is perfectly dry and cured - 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 insulation and after 4-6 hours spread the layer of UMANA VETROINTONACO following the technical instructions below.

**External Painted Surfaces:** Remove any traces of mold by brushing away the efflorescence after treating them with acid. Then sanitize with a coat of MUFFACID. Remove flaking residues of old paint and, if necessary, fill and smooth the imperfections with an appropriate exterior mortar; sand and clean the surfaces. Then apply a coat of FISSACRIL insulation and after 4-6 hours spread the layer of UMANA VETROINTONACO following the technical instructions below.

In the case of very chalky supports it is advisable to replace FISSACRIL with ISOL 45 solvent-based insulation.

## **Application Methods**

**American spatula:** Spread the product as is with a smooth American spatula, guided by the thickness of the grain, distributing it evenly.

**Sponge pad:** During the drying phase, finish the surface with a plastic trowel or sponge pad (the latter better compacts the product closing the spaces between the grains left by the American action).

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

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	< 85%	
Recommended thickness:	2-4	µm per coat
Dust dry:	1	h
Repaintable after:		h
Deep dry:	48	h
Tool cleaning:	water	

## **Painting**

The product can be colored with the tintometric systems of the L'ANGELO OX line.

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

Specific weight:	1.18-1.22	Kg/l
Viscosity:	30000-40000	cPs
pH:	8-9	
Solid in weight:	81%	
Theoretical yield:	1	k/mq
Packaging	4.0-10.0	k
Color:	White and color chart	
Appearance:	Rough, opaque	

## **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:**

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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.

## **Specification items:**

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Photocatalytic spatula based on an organic binder protected by a slow-release antioxidant, with nanoparticle titanium dioxide, silver salts and rare earths. Applicable on wood, plasters based on hydraulic binders, gypsum or plasterboard and old and absorbent agglomerates of various kinds as long as they are not chalky. Preparation of the support according to the technical specifications. Application of two coats of UMANA CEMENTITE in the quantity determined by the absorption of the support until a suitable dry film thickness is obtained. Everything must be carried out in compliance with the application regulations, with a cost of €..... per square meter including material and installation.

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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