

UMANA GUAINA VETROCAMERA

SCHEDA TECNICA

Revisione : 08/11/2023

Prodotto: **Umana Guaina Vetrocamera**

Categoria: Umana

Azienda: Loggia

General Characteristics

Liquid waterproofing sheath that allows you to reduce the heating of buildings through effective thermal insulation thanks to the hollow glass microspheres present inside. With Cool roof technology, technology capable of creating a lower surface temperature profile compared to a normal covering, it guarantees a reduction in the heat flow entering the building thus contributing to an effective decrease in the average value of the internal temperature in non-air-conditioned environments or to a reduction in consumption for cooling in environments with summer air conditioning.

Furthermore, Umana glazing sheath has Ecoactive photocatalytic properties with SARC patent, an innovative system for the abatement and mitigation of environmental pollution according to the guidelines of the Ministerial Decree n.13959 of 04/01/2004.

For the line Umana it has been 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 have revealed that the active ingredient of Umana has a marked virucidal action against SARS-COV-2. This effect is evident already after contact times in the order of minutes and remains constant over time.

Product type:

UMANA GUAINA VETROCAMERA is a special photocatalytic coating enriched with hollow glass microspheres. It has a high SRI solar reflectance index. It is an ideal product for waterproofing where you want to reduce the heating of buildings to obtain effective thermal insulation. It also makes use of the most recent technological innovations which make it a sheath with PHOTOCATALITIC PROPERTIES. In particular, it uses the patented SARC technology. The antibacterial photocatalytic action, determined by the introduction of silver salts 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 polluting agents and transforms them into inert agents which are eliminated outdoors by the action of rainwater. The SARC system stabilizes the applied sheath film protecting it from premature deterioration caused by the photocatalytic action of the active ingredients. The photocatalysis phenomena, in fact, are omnidirectional, that is, they attack the organic substances present in the

surrounding environment as well as those contained in the sheath itself. The SARC system patented by Loggia Industria Vernici constantly releases an antioxidant substance of vegetal origin in a controlled quantity which, unlike other photo-active painting systems, guarantees high photocatalytic activity and high durability and chromatic stability of the support.

Application

Suitable for building roofing in general, old bituminous coverings, concrete floors, metal roofs.

Preparation

New External Surfaces: Make sure that the substrate is perfectly dry. Clean the surfaces. Apply two coats of Umana double glazing sheath following the technical instructions below.

External Painted Surfaces: Make sure the surface is perfectly dry. Remove flaking residues of old paint and clean. Then apply two coats of Umana insulating glass sheath following the technical instructions below.

Pass the thermo-insulating, photocatalytic FISSATIVO TERMOISOLANTE on the entire surface with a roller, diluting it with 50% water and leave to dry for approximately 4-5 hours; then pass UMANA GUAINA VETROCAMERA.

Application Methods

Brush and Roller: Dilute the first coat 30-35% with water and the second coat 15-20%. Wait 5-6 hours between one application and the next.

Long-haired roller: Spread the product as is to obtain the typical relief effect.

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:	40-80	µm per coat
Dust dry:	0,5	h
Repaintable after:	5-6	h
Deep dry:	24	h
Tool cleaning:	with water	

The product is marketed in the basic colors of the chart: White, Grey, Oxide red, Oxide green.

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

Specific weight:	0.95-1	Kg/l
Viscosity:	20000	cPs
pH:	8-9	
Solid in weight:	60%	
Theoretical yield:	4	mq/l per coat
Packaging	4-10	
Color:	not colored	
Appearance:	mat	

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 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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