

UMANA

SCHEDA TECNICA

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Prodotto: **Umana**

Categoria: Umana

Azienda: Loggia

Washable water-based paint for interiors with eco-active 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.

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

General Characteristics

Umana Classic is a washable paint that acts on the quality of the indoor air thanks to an innovative technology that allows it to capture and neutralize the main pollutants present inside buildings.

Umana is formulated with special styrene-acrylic emulsions and uses the latest technological innovations that make it a painting with PHOTOCATALYTIC PROPERTIES. In particular, it exploits the patented SARC technology. The 1 photo-catalytic antibacterial action, determined by the introduction of silver ions in the formula in combination with nanoparticulate titanium dioxide, inhibits and prevents the development of molds that proliferate in the environment. Photocatalysis, like chlorophyll photosynthesis, oxidizes pollutants and transforms them into inert agents. 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 the Loggia Industria Vernici constantly releases an antioxidant substance of vegetable origin in a controlled quantity which, unlike other photo active painting systems, guarantees high photocatalytic activity and high durability and chromatic stability of the substrate. The details of the patent are reported at the bottom of the sheet.

Application

For internal use. Applicable on plasters based on hydraulic binders, gypsum or plasterboard and absorbent conglomerates of various kinds, both new and old, as long as they are not chalking. Suitable for environments where food is produced, processed and distributed. Umana Classic complies with the UNI 11021: 2002 standard "Paints and varnishes. Products and systems for painting environments with the presence of food (Test report no. 043/2016 issued by TERMOTECH ECO srl), to guarantee the conformity

of the surfaces according to the HACCP protocol to prevent possible contamination of food.

Preparation



New Internal Surfaces: Make sure that the substrate is perfectly dry and cured - not less than 4 weeks for civil plasters and 2 weeks for premixed plasters. If necessary, fill any holes or imperfections with FLYSTUK and sand; finally clean the surfaces. Then apply a coat of Umana Fissativo and after 4-6 hours paint with two coats of Umana Classic following the technical instructions below.



Internal Painted Surfaces: Eliminate any traces of mold by brushing off the efflorescence and then sanitize with a coat of MUFFACID. Remove flaking residues of old paint and, if necessary, fill and smooth imperfections with FLYSTUK; sand and clean the surfaces. Then apply a coat of Umana Fissativo and after 4-6 hours paint with two coats of Umana Classic following the technical instructions below.



Application Methods



Brush: Dilute the first and second coat at 25 - 30% with water. Wait 5-6 hours between one application and the next.

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

Airless: In airless applications, dilution varies from 30 to 40% depending on the size of the machine nozzle.

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:	WATER	

Painting:

The product can be colored with the tinting system of the MAXXI line in the colors selected for the Umana line

Warnings: During the coloring phase it is advisable to mix the product very slowly by hand, avoiding the use of electrical appliances. Furthermore, the addition of water beyond that necessary for dilution should be avoided.

Specific weight:	1,5 ÷ 1,54	Kg/l
Viscosity:	10000 - 12000	cPs
pH:	8-9	
Solid in weight:	55%	
Theoretical yield:	12 – 13	mq/l
Color:	WHITE	
Appearance:	Satin	
Packaging:	2,5 - 4 – 10	l

CLASSIFICATION EN 13300			
Measure	Normative	Classification	Result
Resistance to wet brushing	ISO 11998	Class 2	< 5 µm 200 cycles
Brilliance (Gloss)	ISO 2813	MAT	< 10 (geometry 85°)
Maximum particle size	ISO 1524	THIN	< 100
CLASSIFICATION UNI 10795			
Measure	Normative	Classification	Result
Hiding power (Ywhite / Yblack)	UNI 11271	Class 1	>=99,5
Diffusion of water vapor WDD (Breathability)	ISO 7783-2	HIGH	>150 g/m2 in 24 h

Product compliant with the CAM Building Regulations Italy (392-2020-00553801_W_EN); and the French regulation on the emission of VOCs and content of CMR substances (carcinogenic, mutagenic and toxic for reproduction) (392-2020-00553801_E_EN):

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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