

UMANA SMART

SCHEDA TECNICA

Revisione : 19/04/2023

Prodotto: **Umana Smart**

Categoria: Umana

Azienda: Loggia

READY TO USE

Ready-to-use washable water-based paint for interiors with photocatalytic properties Eco-active with SARC patent Innovative system for the abatement and mitigation of environmental pollution according to the guidelines of the D.M. n.13959 of 01/04/2004. For the Human line, the first research project was implemented to establish the virucidal degrading 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 can already be seen at contact times in the order of minutes and remains constant over time..

General Characteristics

Ready-to-use Umana Smart is a READY-TO-USE, ANTI-MOULD AND ANTIBACTERIAL washable paint that acts on indoor air quality, thanks to an innovative technology that captures and neutralizes the main pollutants present inside buildings. Umana Smart makes use of the most recent innovations which make it a paint with PHOTOCATALYTIC PROPERTIES. In particular, it exploits the patented SARC1 technology. The photocatalytic antibacterial action, determined by the introduction of silver salts in the formula in combination with nanoparticle 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, protecting it from premature deterioration caused by the photocatalytic action of the active ingredients. The phenomena of photocatalysis, in fact, are omnidirectional, i.e. 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 constantly and in controlled quantities releases an antioxidant substance of vegetable origin which in fact, unlike other photoactive painting systems, guarantees high photocatalytic activity and high duration and chromatic stability of the support.

The details of the patent are given at the bottom of the sheet.

Application

Universal waterpaint for internal use it guarantees a perfect adhesion on walls and plasterboard, ready to use. Thanks to its high covering and masking power, after the application of UMANA FISSATIVO PIGEMENTATO it allows to obtain an excellent coverage with just one hand, but if necessary a second coat can be applied.

Preparation



New internal 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 or imperfections with Flystuk sand and clean the surfaces. On particularly absorbent substrates, first apply a coat of Umana pigmented fixative.



Painted internal 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 and smooth any imperfections with Flystuk, sand and clean the surfaces. If the substrate is crumbly, first apply a coat of pigmented fixative Umana.

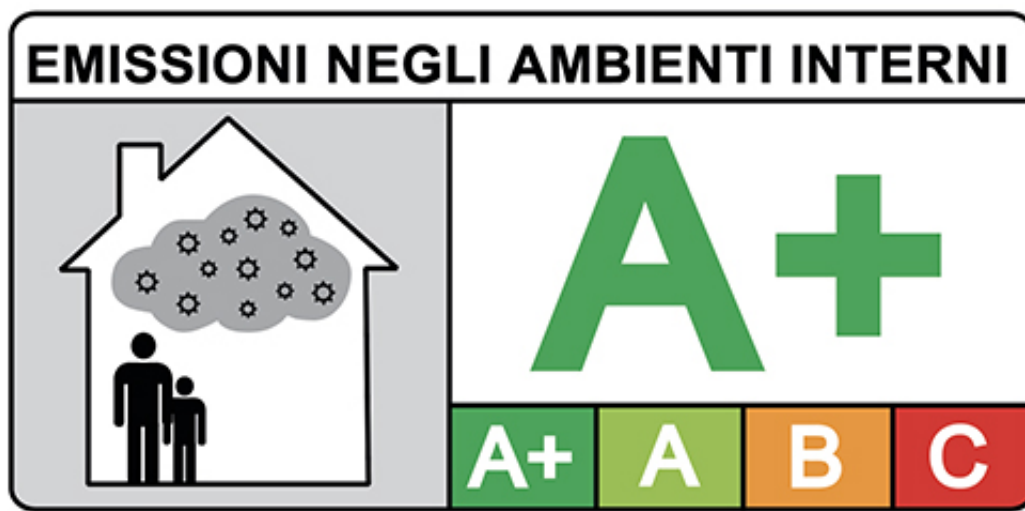
Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	< 85%	
Recommended thickness:	30-50	µm per coat
Dust dry:	0,5	h
Repaintable after:	4 ÷ 6	h
Deep dry:	24	h
Tool cleaning:	with water	

CLASSIFICATION ACCORDING TO EN 13300			
Measure	Rule	Classification	Result
Resistance to wet brushing	ISO 11998	Class 2	[>=5 µm 200 cycles]
Gloss	ISO 2813	mat	< 10 (geometry 85°)
Maximum particle size	ISO 1524	thin	< 100
CLASSIFICATION UNI 10795			
Measure	Rule	Classification	Result
covering power(Ywhite/Yblack)	UNI 11271	Class 1	99,5
WDD (Transpirability)	ISO 7783-2	high	>150 g/m2 in 24 h

Product compliant with the CAM Construction Italy regulation (392-2020-00553801_W_EN):

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CERTIFICATO
CAM**

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:



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.

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

Owner: Loggia Industria Vernici S.r.l.

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Release year: 2009

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