

UMANA FISSATIVO

SCHEDA TECNICA

Revisione : 08/02/2022

Prodotto: **Umana Fissativo**

Categoria: Umana

Azienda: Loggia

DATA SHEET

Product: UMANA FISSATIVO

Category: Umana

Company: Loggia

Revision: 10/18/2021

Acrylic fixative with eco-active photocatalytic properties with SARC patent Innovative system for abatement of environmental pollution mitigation according to the guidelines of the Ministerial Decree n.13959 of 04/01/2004.

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

General Characteristics

Acrylic fixative for indoor / outdoor painting that acts on the quality of the indoor air, thanks to an innovative technology which allows you to capture and neutralize the main pollutants present inside buildings. It is formulated with special styrene-acrylic emulsions and uses the most recent technological innovations that make it a cycle of painting with properties. photocatalytic. In particular, it takes advantage of the patented SARC1 technology for the antibacterial action from the introduction in the formula of silver and rare earth ions in combination with nanoparticle titanium dioxide, it inhibits and prevents the development of molds that proliferate in the environment. Photocatalysis, like chlorophyll photosynthesis, oxidizes the agents 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 releases a substance constantly and in a controlled quantity plant-based antioxidant which, in fact, unlike other photo-active painting systems, guarantees high activity photocatalytic and high durability and chromatic stability of the support. 1 The details of the patent are shown at the bottom of the sheet.

Application

Water-based fixative based on specific acrylic emulsions, with strong penetration. Uniform absorption, consolidates the base ensuring excellent coverage of subsequent coats Due to its exceptional characteristics it is suitable for use both for inside and outside on any type of masonry.

Preparation



New 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, then apply a coat of UMANA fixative insulator following the technical indications below.



Painted 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, sand and clean the surfaces. Then apply a coat of UMANA fixative insulator following the technical indications given below.



Application Methods



Brush: Dilute 1 to 3 with water according to the absorption of the surface

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	< 85%	
Recommended thickness:	not applicable	µm per coat
Dust dry:	0,5	h
Repaintable after:	4 ÷ 5	h
Deep dry:	24	h
Tool cleaning:	with water	

Specific weight:	1-1.05	Kg/l
Viscosity:	400	cPs
pH:	7-8	
Solid in weight:	45%	
Theoretical yield:	20 diluted 1:3	m ² /l
Packaging	1-5	
Color:	incolre	
Appearance:	translucide	

Product compliant with regulation CAM Construction Italy (392-2020-00553804_E_EN)

**PRODOTTO
CERTIFICATO
CAM**

392-2020-00553804_E_EN

and French regulations on the emission of VOCs and the content of CMR substances (carcinogenic, mutagenic and toxic for reproduction) (392-2020-00553804_W_EN)

Informazioni sul livello di emissione di sostanze volatili nell'aria interna, che presentano un rischio di tossicità per inalazione, su una scala che va dalla classe A+ (emissioni molto lievi) a C (forti emissioni).

Report n. 392-2020-00553804_E_EN



Storage:



The unopened product, stored intact in a dry and cool place, has a non-storage life 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



RESUME

Acrylic fixative for indoor/outdoor paint that acts on indoor air quality, thanks to an innovative technology that captures and neutralizes the main pollutants present inside buildings. Thanks to the patented SARC1 technology, the antibacterial action of the introduction in the formula of silver ions and rare earths in association with nanoparticles of titanium dioxide, inhibits and prevents the development of molds which proliferate in the environment. Photocatalysis, like the photosynthesis of chlorophyll, oxidizes pollutants and transforms them into inert agents.

Warnings

The information contained in this sheet is provided to the best of our technical knowledge. However such indications and suggestions cannot be used as 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 case specific with preliminary tests.

European Patent

Office

SARC patent: Bactericidal water-based paint based on coupled nanocrystalline semiconductors stabilized by use of 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, E-mail commerciale@loggia.it.

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