

UMANA CLINIC SMALTO

SCHEDA TECNICA

Revisione : 09/10/2023

Prodotto: **Umana Clinic Smalto**

Categoria: Umana

Azienda: Loggia

General Characteristics

Water-based acrylic enamel for interiors and exteriors, with excellent brilliance and quick drying, non-yellowing. It is odorless, non-flammable, non-toxic, ideal for application in closed environments. Umana clinic enamel makes use of the most recent technological innovations which make it a paint with PHOTOCATALITIC PROPERTIES. In particular, it uses the patented SARC technology[1]. The photocatalytic antibacterial 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. The SARC system stabilizes the applied paint 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 paint itself. The SARC system patented by Loggia Industria Vernici constantly and in a controlled quantity releases an antioxidant substance of vegetal origin which in fact, unlike other photo-active painting systems, guarantees high photocatalytic activity and high durability and chromatic stability.

Application

The environment in which food is produced, processed and distributed must comply with certain hygiene requirements; in the same way, the paintings of these areas must guarantee the safety and healthiness of the foods prepared. Umana clinic water-based enamel complies with the UNI 11021:2002 "Paints and varnishes" standard. Products and systems for painting environments with the presence of food (Test Report n.17/2016 and Evaluation according to the VAA 017/2016 protocol released TERMOTECH ECO srl) to guarantee the conformity of the surfaces according to the HACCP protocol to prevent possible food contamination. [1] The details of the SARC patent are shown at the bottom of the sheet.

Preparation of the surface



METAL

New Iron: clean the surface from traces of grease and oil with a solvent or an appropriate degreaser. With a steel brush or abrasive paper remove calamine and rust where present and finally clean the surfaces to be painted. Apply two coats of UMANA FONDO METAL&WOOD and after 12-24 hours paint with two coats of UMANA SMALTO ALL'ACQUA following the technical instructions below.



Painted Iron: With the steel brush or abrasive paper, remove flaking residues of old paints and signs of oxidation; clean the surfaces to be repainted. If necessary, apply a coat of UMANA FONDO METAL&WOOD or, if the old paint is in good condition, directly one or two coats of UMANA CLINIC SMALTO following the technical instructions below.



It is possible to passivate with Rugginox the rust that is difficult to eliminate both on new and already painted iron.

WOOD

New Wood: Make sure the surface is perfectly dry and seasoned. If necessary, fill any holes or imperfections with FLYSTUK and sand; finally clean the surfaces. Apply two coats of UMANA FONDO METAL & WOOD following the technical instructions below and after 24 hours paint with UMANA CLINIC SMALTO

Painted Wood: With a brush or sandpaper remove flaking residues of old paints and, if necessary, fill and smooth the imperfections with FLYSTUK; sand and clean. Then apply two coats of UMANA FONDO METAL & WOOD following the technical instructions below and after 24 hours paint with UMANA CLINIC SMALTO

MASONRY - PLASTERBOARD

New Internal Surfaces: Make sure that the surface 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 and sand; finally clean the surfaces. Then apply a coat of UMANA fixative and after 4-6 hours paint with two coats of Umana clinic enamel following the technical instructions below.

Painted Internal Surfaces: Eliminate any traces of mold by brushing away the efflorescence after having treated them with an anti-mold detergent. 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 fixative and after 4-6 hours paint with two coats of Umana clinic enamel following the technical instructions below

Application Methods



Brush and Roller: Dilute 3% with water for both the first and second coat. Wait 6-8 hours between one application and the next.

Spray: Dilute 5-10% with water for both the first and second coat. Wait 6-8 hours between one application and the next. Gun pressure 3-4 Atm, nozzle diameter 1.7-2 mm.

Airless: In airless applications the dilution varies depending on the equipment and pressure used. Indicative values: 5% dilution with water and nozzles of 0.017-0.019", at a pressure of 120-150 Atm.

Application temperature:	+5 ÷ +35	°C
Relative humidity of application:	< 85%	
Recommended thickness:	30-35	µm per coat
Dust dry:	0,5-1	h
Repaintable after:	6-8	h
Deep dry:	24	h
Tool cleaning:	with water	

Painting:



The product is marketed in a wide range of colours, but can also be colored with the tinting system of the L'ANGELO or MAXXI line and with the universal dyes found on the market.

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

Specific weight:	1.1-1.2	Kg/l
Viscosity:	6000-/8000	cPs
pH:	8-9	
Solid in weight:	50%	
Theoretical yield:	10	mq/l per coat
Packaging	0.5,0.75,2.5	lt
Color:	White and pastel colors	
Appearance:	Polished	

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.

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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