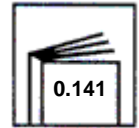




LOGGIA
industria vernici

TECHNICAL DATA SHEET

Issue Date: January 14



Umana

Washable Interior Emulsion with Photocatalytic Properties.

General Characteristics

Composition:

UMANA is a washable interior emulsion that incorporates the latest state-of-the-art technology to provide a paint with PHOTOCATALYTIC PROPERTIES. In particular it takes advantage of the patented SARC¹ technology. In fact it has been formulated with a mix of silver salts and nanotechnology compounds. These are responsible for the antimicrobial photocatalytic action which inhibits and prevents any mildew from growing. Photocatalysis, like photosynthesis, reduces the polluting agents and makes them inert. Essentially this paint provides the photocatalytic purification of air. SARC system stabilizes the coating film in order to preserve it from a premature ageing due to the photocatalytic action of the active principles themselves. Photocatalytic phenomena take place in fact in all directions, i.e. they attack all organic substances staying around them, included those ones being in the paint itself. SARC system, patented by Loggia Industria Vernici S.r.l., continuously and in controlled quantity releases an antioxidant agent made with vegetal substances that, differently from other photocatalytic painting systems, guarantees high photocatalytic yields, long durability and colour preservation of the product.

Recommended Usage:

It is heartily recommended for application on interior plasters and suitably prepared masonry wall of schools, hospitals (even for sterile rooms), residential buildings and offices, hotels etc., where a strong antimicrobial and sanitizing action is demanded together with washable effect.

Preparation

Surface Preparation:



Interior new surfaces: All surfaces must be dry and cured according to the supplier's recommendations – usually about 30 days. Rough surfaces can be filled with putty FLYSTUK to provide a smooth surface; Ensure the support to be coated is clean with dust and dirt removed. One coat of primer FISSAMUR should be applied followed by two coats of UMANA. For the application please refer to the technical methods given below.



Interior coated surfaces: Any mildew should be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the surface to dry before applying a coat of fungicide MUFFACID. It requires the use of proper protective

¹ The details of the patent are in the bottom of this paper.

equipment. Existing peeled paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Coatings in a poor condition should be removed completely. Fill cracks and holes with putty FLYSTUK; then sand smooth. Remove all sanding dust. One coat of primer FISSAMUR should be applied followed by two coats of UMANA. For the application please refer to the technical methods given below.

Product Application

Methods:



Brush: Use a nylon/polyester or a natural bristle brush. Thin by up to 20-30% by volume with water both the first and the second coat.

Roller: Use a 3/8" - 3/4" nap synthetic or lamb's wool roller cover. Thin by up to 20% by volume with water both the first and the second coat.

Airless: Pressure: 140 – 160 bar (2000 – 2350 psi). Tip: 0.017" – 0.021". Dilution depends on the airless system in use. A trial application is strongly recommended prior to the commencement of work.

Temperature of application:	+5 ÷ +35 °C	41 ÷ 95 °F
Relative humidity of application:	< 85%	
Dry film thickness:	35 ÷ 40 µm per coat	1.4 ÷ 1.6 mils per coat
Touch dry:	30 minutes	
Recoat after:	5 ÷ 6 hours	
Completely Cured:	21 days	
Cleaning tools:	by water	

Colouring

This product is only available in white finish.

Warning: You can't realize any colours with Umana for the degenerative effects due to nano-titanium on the Universal Stainers.

Technical Properties

Density:	1.70 ÷ 1.75 Kg/L	
Viscosity:	18000 ÷ 23000 cPs	
pH:	7-8	
Weight Solids:	68%	
Coverage:	8 – 10 m ² /L	330 – 410 sq ft/gal
Colour:	White	
Gloss Levels:	Matt	
Pack Size:	2.5 - 4 – 14 L	

Storage



Shelf-life: 2 years in original tightly closed containers away from direct sunlight and excessive heat.

The can should be resealed and stored tightly closed to prevent evaporation of the product and entry of air. Store it upside down after use.



Min storage temperature: +5°C (41°F)

Max storage temperature: +30°C (86°F)



**European Patent
Office**

SARC System PATENT: Anti microbial water-borne paint based on coupled nanocrystalline semiconductors, stabilized by means of controlled-release antioxidants.

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Safety Precautions

Refer to the Material Safety Data Sheet before use.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects. For more information about how to remove old lead paint safety contact your local health authority.

General Information

Every care is taken to ensure that the information provided in this technical data sheet is accurate. **Loggia Industria Vernici S.r.l.** takes no responsibility for the results obtained through the use of this product in as much as it is not possible for **Loggia Industria Vernici S.r.l.** to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.

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