VITEX with VAIRO

Antiviral eggshell wall paint based on VAIRO Healthcare Technology

MRPI® registration 1.1.00272.2022



VITEX with VAIRO is an eggshell antiviral - antibacterial emulsion wall paint for interior use. Due to its innovative technology, the dry paint film has defense against virus transmission and inhibits the bacteria growth as well on it. **VAIRO Healthcare technology** is based on composites where properly encapsulated silver ions into inorganic matrices and other booster components drive to controlled release not only in wet but in dry conditions as well. Additionally, it unfolds a slippery properly modified hydrophilic coating surface which proves inhospitable for virus and bacteria and boosts further on the antiviral-antibacterial activity. The antiviral and antibacterial activity tested according to ISO 21702, ISO 22196, and OECD guidance for efficacy of biocide treated article (ENV-JM-MONO (2018)20) with microbial reduction by 99 - 99,99%. Walls painted with **VITEX with VAIRO** offer defense against Methicillin resistant Staphylococcus aureus, Acinetobacter baumannii, Vancomycin resistant Enterococcus, E.Coli, St.Aureus, Pseudomonas Aeruginosa, Enterococcus Hirae, Klebsiella Pneumoniae, influenza virus H1N1, Human Corona virus OC43, Human Corona virus 229E, Human Corona virus SARS-CoV2, virus phi6, virus MS2 which are used as surrogates for many enveloped and non enveloped viruses, in several conditions. Moreover, designed with surface protection technology the paint film has resistance to the absorption of common household stains making easier to remove them even after a long period of time (CRGI Report No M2020353-3). Near zero VOC content. It is certified with **Indoor Air Comfort GOLD**, the world's most rigorous indoor emission rating system. It has been tested for its antifungal properties in the paint film, according to EN 15457.

It is a Biocidal product according to Regulation EU 528/2012 (BPR) and is subjected to authorization or proper notification.

Advantages:

- Paint tested against corona virus SARS-CoV2 with antiviral activity > 99.9% (3 hours contact)* on the painted surfaces.
- VAIRO Healthcare Technology
- Antiviral, Antibacterial & Antifungal activity
- Eggshell finish
- IAC GOLD, A+ Indoor Air Quality
- Easy stain removal
- Resistance to frequent washing Class 1 according to EN 13300/ISO 11998
- Hiding power of 98% with a spreading rate of 15,6m²/L according to ISO 6504-3

***** Strain USA-WA1/2020

Tested to be effective against human coronoviruses

Easy to clean paint

Indoor Air Quality

Anti fungi paint

Paint with high resistance to frequent wet scrubbing

Virtually Odorless paint

Green Building Rating System

PRODUCT FEATURES

TECHNICAL CHARACTERISTICS

Viscosity
100 ± 10 KU (ASTM D 562, 25°C)

Density
1,34 ± 0,02 Kg / L (ISO 2811) for the white

Gloss
5-15 units @ 85° (ISO 2813)

COVERAGE

One coat
15-18 m²/L

Two coats
8-9 m²/L

COLOURS

4500+
White and thousands of shades through **Vitex Coloring System**

FINISH

✔ Eggshell Finish

DRYING TIME

Touch dry
30-60 min

Recoat
3-4 h

PACKAGING

White	750 mL	3 L	10 L
Bases	1 L	3 L	10 L

DILUTION

Water
Up to 10%

APPLICATION

APPLICATION FIELD

Interior new surfaces made of concrete, plaster, brick, gypsum boards or old painted surfaces.
Suitable for areas such as:
- Children's rooms, Schools, Nurseries
- Medical Practices, Hospitals, Maternity Clinics, Aged Care Facilities
- Hotels, Restaurants, Fitness Centers, Shopping Malls
- Food Storehouses

PREPARATION



Surfaces should be smooth, clean and dry, free from grease, dust, loose or flaking paint. Vitex with VAIRO is directly applied on already painted surfaces as long as the old paint is sound.
To fill any cracks or holes use Acrylic Putty or Visto or Light Acrylic Putty (recommended).



Old surfaces previously covered with water paints or distempers (lime wash or ceiling white) should be primed with Acrylan Unco Eco.
New surfaces made of plaster, concrete, cement, plasterboard, etc. should be first primed with Acrylan Unco Eco.
Surfaces stained from smoke, graffity, coffee or any other kind of stain should first be primed with Blanco Eco.



For maximum opacity in dark and intense (such as blue, red and yellow) final shades, it is recommended to apply one coat of PreColor Primer colored - depending on the final shade - through Vitex Coloring System.

STEPS

1. Dilute up to 10% with water and stir well before use.
2. Apply the first coat by brush, roller or airless spray gun.
3. Recoat after 3-4 hours.

TIPS

- Application at 5-35°C and <80% RH.
- Apply at least 0,135 lit/m^2 (or 180 gr/m^2) to get the antiviral and antibacterial activity.
- The product must be exclusively tinted through Vitex Coloring System in the recommended base.
- Tools must be cleaned immediately after use with water and if needed, with soapy water or detergent.
- Allow at least 3 weeks before cleaning and washing newly painted surfaces with Vitex with VAIRO. Wash gently with water using a soft sponge. In case of tough stains, use a mild colourless detergent or soapy water.
- In case paint integrity is damaged, reapply for recovering antiviral and antibacterial activity.
- Minimize paint wastage by estimating how much paint you will need.
- Don't dilute all the paint in the can but what you need for the daily application.
- Recover unused paint for re-use. After paint application, seal the container and store it for future use.
- Do not dispose of liquid waste into ground water table. Packaging and unused paint requires special handling for safe disposal, according to local regulations.

ADDITIONAL INFORMATION

VOCs (Volatile Organic Compounds)



"Interior matt walls and ceilings (Gloss≤25@60°)" VOC content limit **30 g/L**. Maximum VOC content **<1g/L** VOCs (ready for use product).

STORAGE



5°C-38°C
Keep containers closed in a cool and dry area. Do not expose to direct sunlight. Maximum storage time 5 years from the production date for sufficient antiviral action.

PRECAUTIONS



Use biocides safely. Always read the label and product information before use. For detailed instructions on hazards and safety in use the Safety Data Sheet is available upon request. This product helps to retain the painted indoor surfaces less contaminated by microorganisms, without the further use of disinfectants. There is always the risk for humans to get infected by microorganisms, through direct droplet air transmission among them or any other source. Poisons Control Centre Tel. : +30 210 7793 777

The above technical data, information and instructions are based on our long experience and laboratory tests and are intended only to describe the product and determine its application. However, the end user should check the suitability of the product for its intended use. Our company guarantees the quality of the product itself, and in any case bears no responsibility for any damage or damage caused if the product is not used properly and in accordance with its instructions for use. The company has the right to revise this technical data sheet without any prior notice.

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TECHNICAL SUPPORT