



The **1st project of the PAINT BANK** initiative was successfully completed with the donation of more than **7,000 liters of Vitex with VAIRO** in cooperation with **Paint Shops** in order to upgrade the facilities of **Public Hospitals**.

HOW VIRUSES CAN BE TRANSMITTED?



Viruses with pandemic potential including **SARS-CoV2**, can survive for extended periods up to **28 days** on dry surfaces like walls, cause contamination in areas and may require enhanced cleaning and disinfection to assure effective prevention and control.



VAIRO HEALTHCARE TECHNOLOGY IS IDEAL FOR AREAS SUCH AS:

Schools, Nurseries, Children's rooms, Hotels, Restaurants, Shopping Malls, Medical Practices, Hospitals, Maternity Clinics, Aged Care Facilities



VAIRO is suitable for the wall surface hygiene. The viruses and bacteria are eliminated within **30 minutes to 4 hours** of contact with painted surfaces.

BACTERIA:

Escherichia Coli, Staphylococcus Aureus, Pseudomonas Aeruginosa, Enterococcus Hirae, Klebsiella Pneumoniae, MRSA, Acinetobacter baumannii, Vancomycin resistant Enterococcus

VIRUSES:

Human Coronavirus SARS-CoV2, Human Coronavirus OC43, Human Coronavirus 229E, Influenza virus H1N1, Bacteriophage phi6, as surrogate for Coronavirus, Ebola, HIV, Influenza Viruses, Bacteriophage MS2 as surrogate for Norovirus and others



Vitex with VAIRO

Eggshell wall paint for interior use, with **>99,9%** antiviral activity against SARS-CoV2

Vitex with VAIRO provides microbial reduction by **99 - 99,99%** of viruses and bacteria that cause nosocomial infections. *

*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)

TECHNICAL SUPPORT
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Vitex with VAIRO

Wall paint for interior use with >99,9% antiviral activity
against SARS-CoV2



ADVANTAGES

- >99,9% tested effectiveness against SARS-CoV2 *
- **Antiviral, Antibacterial & Antifungal activity**
- **Eggshell finish**
- IAC GOLD, A+ Indoor Air Quality
- Superior performance & stain resistance/removal
- **Resistance to frequent washing. Class I** 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

** It is a Biocidal product and is subjected to authorization or proper notification.



FINISH
(Eggshell)

SPREADING / RATE
15-18 m²/L



Coloured in thousands of shades

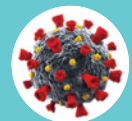


Vitex with VAIRO paint has received approval for circulation in EU markets



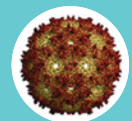
HOW DOES VAIRO WORK?

VAIRO is based on **composites with 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.**



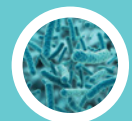
ENVELOPED VIRUS

When an Enveloped Virus lands on painted walls, the Silver Ion attracts it due to opposite loads. Then Silver Ion destroys the lipid membrane of the virus, making it non-functional. Without lipid membrane, virus could not takeover a host to survive.



NON-ENVELOPED VIRUS

When a Non-enveloped Virus lands on painted walls, the Silver Ion attracts it due to opposite loads. Then Silver Ion destroys the protein coat, making it non-functional. Without protein coat, virus could not takeover a host to survive, and this eventually causes its death.



BACTERIA

The Silver Ion will destroy bacteria's cell wall, making them non-functional. Once in the cell, the Silver Ion can disrupt and stops its reproduction capability. Also, Silver Ion inhibits enzyme reactions, which stop the cellular respiration, and this eventually causes their death.