



**AUSTRALIAN
PAINT COMPANY**

**PRO
SERIES**



PRO-COAT HYGIENE+

Product Description

Apco Pro-coat Hygiene+ is interior paint specifically designed with revolutionary patented technology which keeps the surfaces germ free. The active content in this product is the combination of silver nanoparticles and non-migratory cationic preservative, which are extremely effective in deactivation of enveloped RNA virus and bacterial DNA genome. This Nanoparticle based coating is highly active against the growth of micro-organisms like virus, bacteria, moulds, fungi, yeast etc. & coating films conform to global standard such as JIS and ISO with an anti-bacterial and anti-viral efficacy at >99%.

Features

- Destabilize / ruptured the microbe membranes quickly on contact with host surface.
- Immobilize the microbes on the surface and prevent its transfer into host cells.
- Inhibit the growth of microbes by reacting with its DNA/RNA and prevents its replication
- Non-toxic water-based formulation contains effective nano materials with no cytotoxicity.
- Water-based and zero VOC
- Smooth and easy to apply.
- Superior opacity and stain resistance.
- Excellent flow and levelling, resulting in minimal roller / brush marks.
- Environment friendly odourless paint - uses lead free pigment and inert extenders

Design use

As an anti-bacterial finish coat for internal concrete walls, gypsum board or plastered surfaces. Ideal product for use in clinics, hospitals, schools, bio-lab, medical centres, childcare centres, nursing home. Hygiene coating for internal walls for food industry, residential, commercial offices, hotels, and F&B outlets.

Technical Data

Colour Range	White and White Base
Toxicity	Nontoxic
Thinning and Clean Up	Water
Theoretical Coverage*	14m ² / Litle at 30 microns, depending on surface porosity
Sheen Level	Low Sheen
Volume solids %	42
Packs available	1L, 4L, 15L
No. of components	One

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*Practical coverage depends on surface porosity, method of application and dry film thickness.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

Surface Preparation

The service life span and the service performance of this product are directly related to the degree of surface preparation.

- New concrete should be left for at least 28 days to cure before coating.

The moisture content of the concrete surface should be checked and ensured to be below 4% when measured with a reliable moisture meter, such as the Sovereign Moisture Meter.

- The surface to be coated must be clean and free from all loose extraneous materials such as loose paint, dust etc. If fungus or algae is present, first treat with Omega Fungicidal Wash and leave for 24 hours. Then, thoroughly rinse and wash or scrape away all the fungus.

If grease is present, clean using a mild detergent or solvent and rinse thoroughly to ensure complete removal of the grease, detergent, and solvent.

- Apply a suitable undercoat such as APCO Sureprep 3 in1 Primer, Sealer, Undercoat prior to application of this product. For overcoating over old coatings, remove all loose or flaking coatings and take them back to a firm edge. Ensure the remaining coatings are tightly adherent.

Drying Time	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval	
				Minimum	Maximum
	15°C	1 Hour	2 Hour	4 Hours	Indefinite
	25°C	30 Minutes	1 Hour	2 Hours	Indefinite
	35°C	15 Minutes	30 Minutes	1 Hour	Indefinite

Test Certificates

ISO 21702 – Antiviral activity against Human corona virus Hcov-229E (surrogate is SARS COV-2) – Anti-viral activity – 99.93%

ISO 21702 : Measurement of antiviral activity against MS2 Bacteriophage.

Virus killing/reduction 99.36%.

ISO 21702 : Measurement of antiviral activity against Influenza A virus (H3N2).

Virus killing/reduction 99.98%.

JIS Z 2801 : Evaluation of efficacy against bacteria – Staphylococcus aureus ATCC 6538

Microbial Kill >99.99%

JIS Z 2801 : Evaluation of efficacy against bacteria – Escherichia Coli ATCC 8739

Microbial Kill >99.99%

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Mix and Colour Check

Mix the paint before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Stir the paint every 2 hours to ensure product consistency.

Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Environmental

- Do not wash painting equipment and allow waste to enter drains and water ways.
 - Do not dispose of unwanted paint and thinners that will enter drains and water ways.
- Refer to state / local EPA and council web sites for environmental and safe disposal details.

Safety and Precautions

- Avoid contact with eyes and skin. Wear suitable protective clothing.
 - Ensure that there is adequate ventilation in the area where the product is being applied.
 - In case of fire, blanket flames with foam, carbon dioxide or dry chemicals. In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
 - Wash skin thoroughly with soap and water or approved industrial cleaner.
 - Do Not Use solvents or thinners.
 - In case of inhalation, remove to fresh air, loosen collar, and keep patient rested.
 - In case of Ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.
- For further safety information, please refer to our Material Safety Data Sheet (MSDS)

Disclaimer

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development

The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

Reviewed June 2019

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