



INTERIOR SOLUTIONS

ANTIMICROBIAL INTERIOR COATINGS

Create a safer space for everyone!

PROFESSIONAL

TOTAL COATING & CONSTRUCTION SOLUTIONS

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ANTIMICROBIAL INTERIOR COATINGS

Respiratory viruses including coronaviruses are nothing new, Covid-19, Severe Acute Respiratory Syndrome (SARS) and Middle East Respiratory Syndrome (MERS) are relatively recent examples of coronavirus outbreaks that reached epidemic proportions and claimed thousands of lives. Common rhinoviruses and influenza are ever-present threats to public health. Their systems range from mild to fatal, and the very young, the elderly and those with pre-existing medical conditions are especially vulnerable.

Recent studies have shown that surface contamination plays a greater role than once thought in the community transmission of respiratory viruses. When contaminated surfaces are touched, virus particles are picked up and people become infected and fall ill, or continue to spread the virus as asymptomatic carriers.

Nippon Paint has rallied to the global health crisis by sinking funds into accelerated research and development, establishing Nippon Paint as the first company that offers advance hygiene Antimicrobial coating range that covers every nook and cranny of any indoor environment.

For wherever **HYGIENE** is a **HIGH PRIORITY**

Nippon Paint Antimicrobial coatings range is ideal for use in all indoor environments occupied or frequented by the very young, the elderly and those with compromised immune systems. Given the “new normal” of the post-pandemic world, and increasing number of developers and building owners are choosing to play it safe and “paint it safe”, regardless of the age or health profile of the users.

In short, Nippon Paint Antimicrobial coatings range covers from floor to roof and everything in between for all indoor environments, especially those where hygiene is a high priority.

HEALTH INSTITUTIONS Hospitals and Clinics



EDUCATIONAL CENTRES Childcare Centres, Kindergartens and Schools



AGED CARE FACILITIES



RESIDENCES



COMMERCIAL AREAS Shopping Malls, Offices and Shops



THE TECHNOLOGY

NIPPON PAINT ANTIMICROBIAL COATINGS COVERS:

3 BIG CATEGORY



NIPPON PAINT ANTI-VIRAL PAINT

is formulated with either **Copper Ion Technology** or **Silver Ion Technology**.

Both Copper Ion Technology and Silver Ion Technology are one of the world's oldest natural Antimicrobials. It has been proven with high efficacy to inhibit growth and destroy microorganisms such as viruses, bacteria, mold and fungi. Copper Ion Technology exhibits stronger efficacy (2 hours) relative to Silver Ion Technology (6 hours).



WHAT VIRUSES¹ & BACTERIA DOES IT DESTROY?

Enveloped Virus



Effective against:
HUMAN CORONAVIRUSES

e.g. COVID-19 (SARS-CoV-2), HCoV-229E¹



Effective against:
INFLUENZA

e.g. H1N1 (Swine Flu)¹

Non-Enveloped Virus



Effective against:
HAND FOOT AND MOUTH DISEASE

e.g. HFMD (Coxsackievirus A16)¹

Bacteria



Effective against:
BACTERIA

e.g. E. coli, MRSA, Staphylococcus Aureus

¹ Only Applicable to VirusGuard.

ANTI-VIRAL & ANTI-BACTERIAL COATINGS



ANTI-VIRAL & ANTI-BACTERIAL COATINGS



VirusGuard+



2 Hours Efficacy



Good Washability



Stain Resistance



Low VOC



Fungus & Mold Resistance

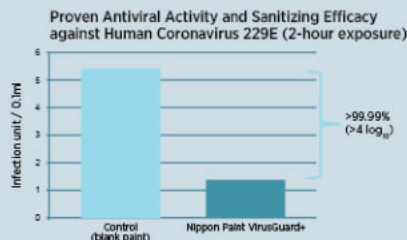
VirusGuard+ harnesses the long-established Antimicrobial properties of Copper in the form of encapsulated Copper Ions (Cu⁺). These microscopic Copper Ions destroys viruses outer layers and dismantling their generic material in 2 hours exposure time, hence reducing the transmission of viruses.

*Only available in 23 curated colour, refer to VirusGuard+ Colourcard.

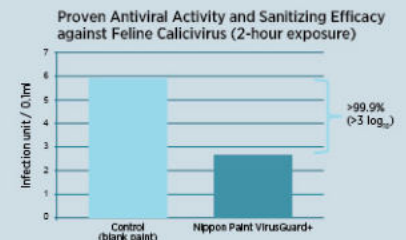
EFFICACY OF NIPPON PAINT VIRUSGUARD+ against Human Coronavirus and Feline Calicivirus

(approved by EPA to replace Human Norovirus)

The test results showed that Nippon Paint VirusGuard+ achieved a complete deactivation of Human Coronavirus 229E with more than 99.99% or 4 log₁₀ reduction and more than 99.9% reduction in Feline Calicivirus, (A non-enveloped norovirus that is harder to kill).



*Source: Based on EPA approved test method, performed by Water & Energy Sustainable Technology (WEST) Centre, Department of Environmental Science, The University of Arizona, United States (Ref: IA Test-2020).



*Source: Based on EPA approved test method, performed by Microchem Laboratory, United State of Texas (Ref: NG14425-A2).

Recommended Area of Usage



Reception / Lobby



Healthcare Institution



General Ward



VirusGuard

VirusGuard is formulated with Nippon Paint's proprietary Silver Ion Technology, where the technology centred on the chemistry of Silver Ions. Silver Ions complexes with functional polymer chain, which gives it a stable and great Antimicrobial properties.

Hence, after the paint has fully cured, VirusGuard offers not only excellent anti-viral properties but also excellent durability.

The Anti-Viral properties is specially formulated to be >99.99% effective against viruses within 6 hours exposure time¹. The viruses includes; Human Coronavirus¹ which causes respiratory infections in human; Influenza A Virus which causes Swine Flu (H1N1); and Coxsackievirus A16 which causes Hand Foot and Mouth Disease (HFMD). Besides that, it is also effective against many types of bacteria such as E. coli, MRSA and Staphylococcus Aureus.

¹ Human Coronavirus 229E and SARS-CoV-2 strain.



6 Hours Efficacy¹



Good Washability



Stain Resistance



Low VOC



Fungus & Mold Resistance

Recommended Area of Usage



Reception / Lobby



General Ward



Day Care Centre

ANTI-VIRAL & ANTI-BACTERIAL COATINGS



Spot-less Plus

Formulated with Silver Ion Technology, Spot-less Plus exhibits the similar properties of inhibits growth and destroy microorganisms such as viruses, bacteria, mold, and fungi with >99.9% efficacy in 6 hours¹.

On-top of that, it is formulated with the Anti-Stain Technology that effectively repels stains, giving your wall a full protection against viruses, bacteria and stains.

¹ SARS-CoV-2 strain only.



6 Hours Efficacy¹



Excellent Stain Washability



Repels Stain



Low VOC

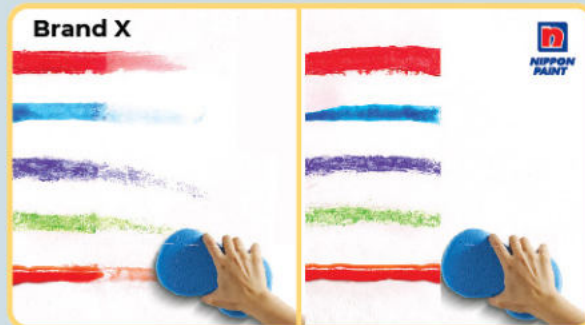


Excellent Water Resistance

FORMULATED with



Stationery & household stains such as crayons, colour, pencils, juice, sauces, etc are easily removed.



Recommended Area of Usage



Restaurant



Kitchen



Kindergarten



Vinilex Fresh Plus



6 Hours Efficacy¹

Vinilex Fresh is an acrylic based paint with non-added lead and mercury which gives a matt finish for interior walls. Formulated with Silver Ion Technology, Vinilex Fresh Plus exhibits the similar properties of inhibits growth and destroy microorganisms such as viruses, bacteria, mold and fungi with >99.9% efficacy in 6 hours¹.

¹ SARS-CoV-2 strain only.



Good Washability



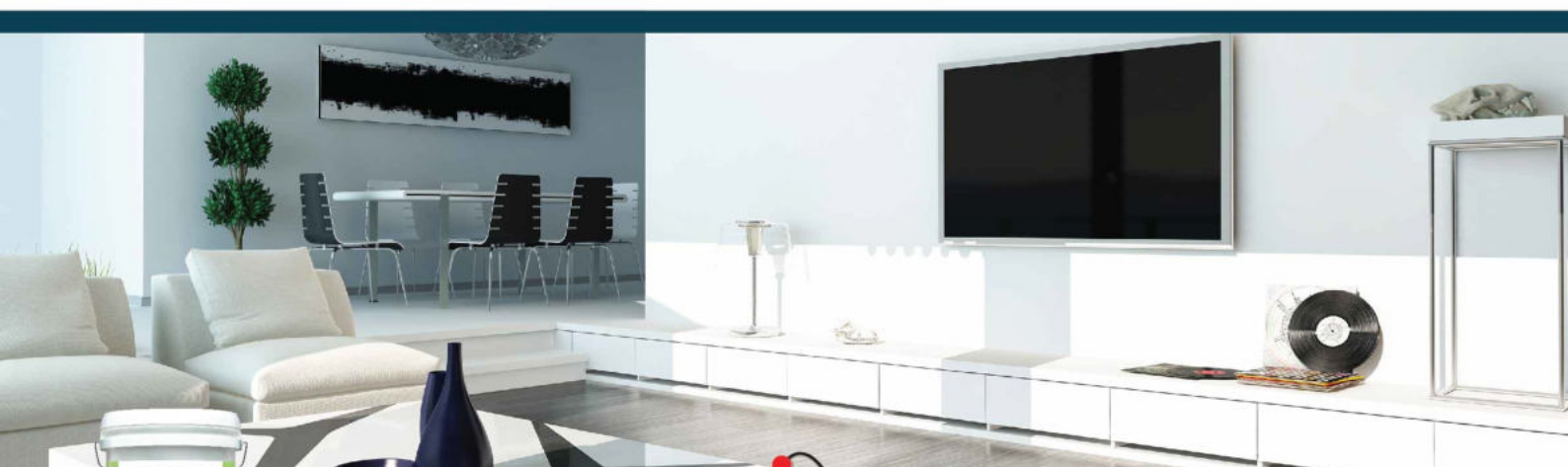
Stain Resistance



Low Odour & Low VOC



Easy Maintenance



Super Eco 5000 Plus



6 Hours Efficacy¹

Super Eco 5000 Plus is a vinyl acrylic copolymer emulsion paint with non-added lead and mercury. With the Silver Ion Technology formulation, it can inhibit and destroy viruses, bacteria, mold and fungi with >99% efficacy in 6 hours¹.

¹ SARS-CoV-2 strain only.



Good Washability



Good Scrub Resistance



Easy Maintenance



Stain Resistance

Recommended Area of Usage



Lounge



Clubhouse

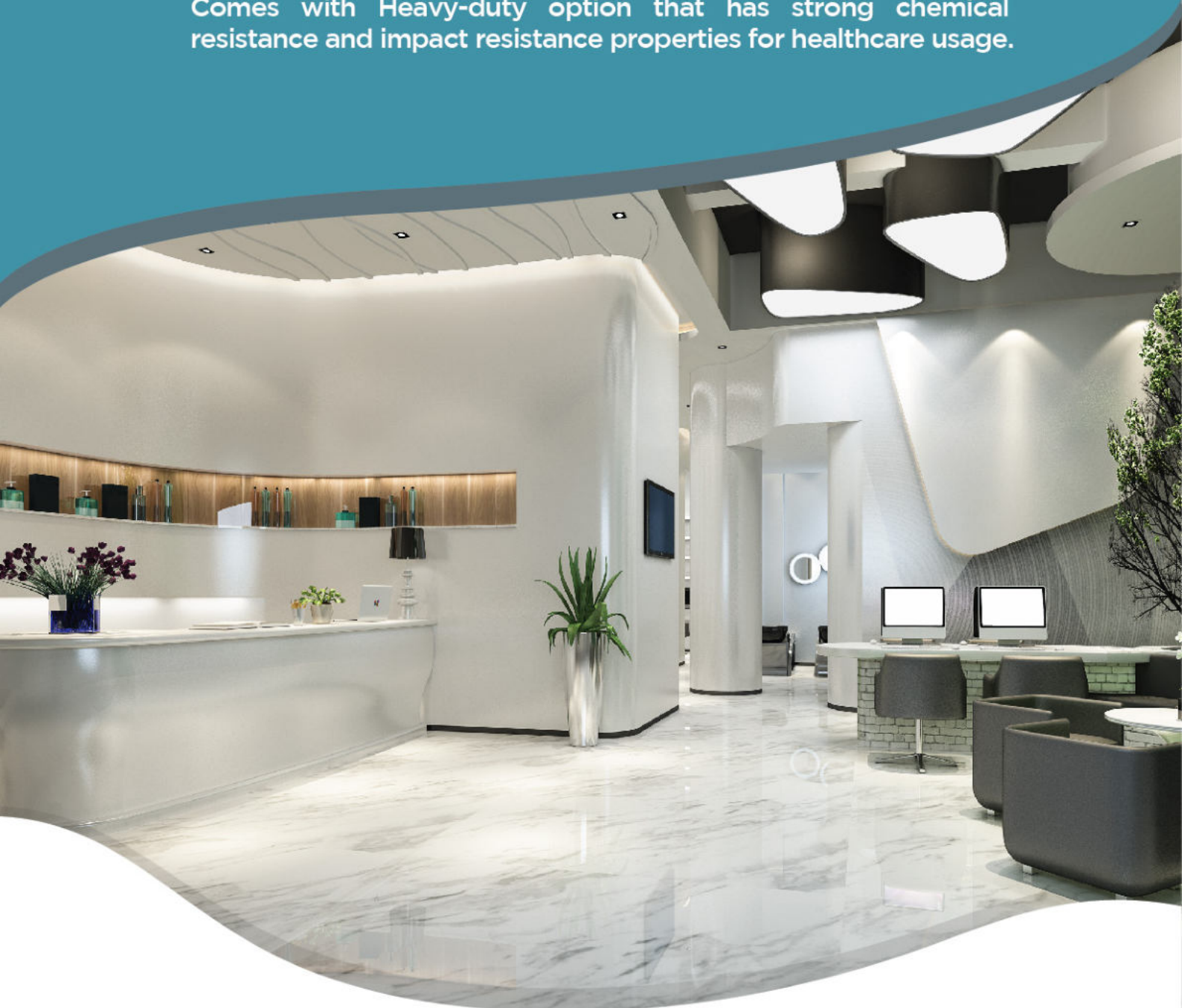


Malls

ANTI-BACTERIAL COATINGS

Specially formulated which the dry film exhibits the Anti-Bacterial properties towards bacteria such as MRSA, E. coli and Staphylococcus Aureus - useful for inhibition of asthma, flu and diarrhoea.

Comes with Heavy-duty option that has strong chemical resistance and impact resistance properties for healthcare usage.





PUD Hygiene Coating

PUD Hygiene Coating is a single component high performance water thinned polyurethane dispersion coating specifically designed for protection of the internal masonry surfaces against bleaching and strong disinfectant agent.



Anti-Bacterial



Anti-Fungal Properties



Easy Maintenance



Strong Chemical Resistance



Aqua Epoxy

Aqua Epoxy is a two-component high-performance water-based polyamide amine adduct cured epoxy coating specifically designed for the protection of the internal masonry surfaces such as cement or concrete floor, cement or concrete wall as well as glaze tile with an appropriate primer.



Tough Finishing



Excellent Abrasion Resistance



Low Odour



Environmental Friendly

Recommended Area of Usage



Operation Theatre Floor



Pharmaceutical / Hospital



Offices / Institution



Odour~less AirCare

Odour-less AirCare is an Anti-Formaldehyde interior emulsion that helps create a safer and more hygienic indoor environment. This breakthrough product contains Anti-Formaldehyde with Active Carbon Technology that continually absorbs harmful free formaldehyde from the air and converts into water vapour resulting in clean fresh air.

Anti 
Formaldehyde
 with Active Carbon Technology



Near Zero VOC
& Low Odour



Stain
Resistance



Anti-Bacterial



Excellent
Washability



Recommended Area of Usage



Reception / Lobby



Clubhouse



Kindergarten

ANTI-FUNGAL COATINGS



ANTI-FUNGAL COATINGS



Satin Glo

Satin Glo is an acrylic-based paint with non-added lead and mercury which gives a luxury wall finish. It is a durable decorative finish specially formulated to provide a smooth mid sheen finish, which can also be used as chalkboard paint.



Good Washability



Long Lasting



Good Scrub Resistance



Anti-Fungal Properties



Easywash

EasyWash is a modified acrylic emulsion paint with non-added lead and mercury which gives a classical matt finish. It is formulated with low VOC for interior walls.



Anti-Fungal Properties



Good Washability



Low Odour & Low VOC



Good Levelling

Recommended Area of Usage



Reception / Lobby



Clubhouse



Kindergarten

Product Selector Chart

PRODUCT	Anti-Viral & Anti-Bacterial					Anti-Bacterial Heavy Duty & Chemical Resistance	Anti-Bacterial	Anti-Fungal		
	 VirusGuard+	 VirusGuard	 Spot-less Plus	 Vinilex Fresh Plus	 Super Eco 5000 Plus	 PUD Hygiene Coating	 Aqua Epoxy	 Odour-less AirCare	 Satin Glo	 EasyWash
FINISHING										
FINISHING	Mid Sheen	Mid Sheen	Low Sheen	Matt	Low Sheen	Mid Sheen	Gloss	Low Sheen	Mid Sheen	Matt
ANTI-VIRAL										
ANTI-VIRAL TECHNOLOGY	 Copper Ion 2 hours	 Silver Ion 6 hours	 Silver Ion 6 hours	 Silver Ion 6 hours	 Silver Ion 6 hours					
ANTI-VIRAL	HCov-229E strain, H1N1, HFMD	HCov-229E, SARS-CoV-2 strain, H1N1, HFMD	SARS-CoV-2 strain	SARS-CoV-2 strain	SARS-CoV-2 strain					
ANTI-BACTERIAL										
E. COLI, MRSA, STAPHYLOCOCCUS AUREUS	✓	✓	✓	✓	✓	✓	✓	✓		
OTHER FUNCTIONAL BENEFITS										
ANTI-FUNGAL	★	★	✓	✓	✓	✓	✓	✓	✓	✓
STAIN REPELLENT	✓	✓	★	✓	✓	✓	✓	✓	✓	✓
CHEMICAL RESISTANCE						★	✓			
WASHABILITY	★	★	★	★	✓	✓	✓	✓	★	★
GREEN CHOICE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
COLOURS										
COLOURS	Selected Colour	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection	Wide Colour Selection

★ Excellent ✓ Good

FOR MORE TOTAL COATING & CONSTRUCTION SOLUTIONS
BY NIPPON PAINT, VISIT **PROFESSIONAL.NIPPONPAINT.COM.MY**



NIPPON PAINT (M) SDN. BHD. (196701000578)
Lot I-17, Taman Perindustrian Subang Utama, Jalan SU 4, 40300 Shah Alam, Selangor Darul Ehsan, Malaysia.
☎ 1-800-88-2663 ✉ customercare@nipponpaint.com.my 📘 [facebook.com/nipponpaintmalaysia](https://www.facebook.com/nipponpaintmalaysia)
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