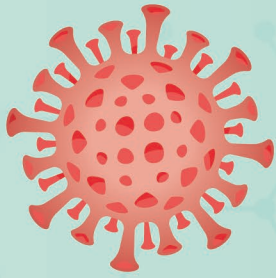
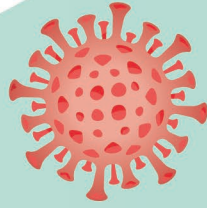




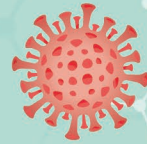
**NIPPON
PAINT**



VirusGuard

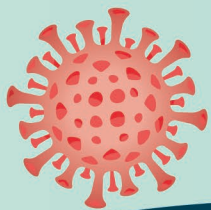
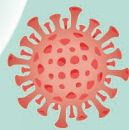
Anti-Viral Paint

立邦VirusGuard抗病毒乳膠漆



Destroy up to 99% of
viruses and bacteria

消滅多達99%
病毒和細菌



抗病毒漆油

有效對抗
人類冠狀病毒*
H1N1 & HFMD



Refresh your Life

Sure you sanitized everything ? How about your walls ?

您確定所有東西都消毒了嗎？ 您的牆壁呢？

Due to the current pandemic, sanitization has become an important part of our daily lives. Most of us sanitize everything around our homes and workplaces, from our hands, electronic devices, tables, chairs- but have we really sanitized all essential spaces?

Most of us neglect the biggest surface in any indoor space - the walls! We may not realise it, but we often touch walls during our daily activities, making walls a top breeding ground for viruses and bacteria to lurk on!

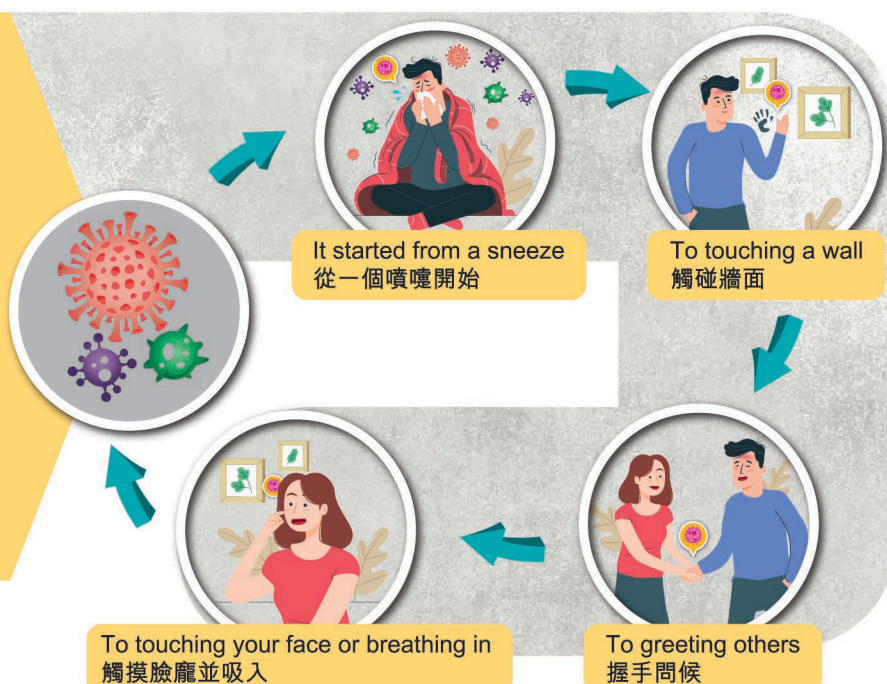
基於當下的新冠肺炎大流行，消毒已成為我們日常生活中的重要部分。我們大多數人都會為住家和工作場所周遭的一切進行消毒，包括我們的雙手、電子設備、桌子、椅子等。但是，我們真的以為所有必要的空間進行消毒了嗎？

在任何室內空間中，我們大多數人都忽略了其中面積最大的牆壁！我們可能沒有意識到，我們在日常生活中經常觸碰牆壁，這使牆壁成為病毒和細菌滋長的最佳溫床！



Viruses and bacteria spread to the walls during our daily activities

病毒和細菌通過我們日常活動傳播到牆上



Transform ordinary walls into safe walls with Virusguard

Virusguard使普通牆壁變得更安全

As the Coatings Expert, we strive to continuously champion indoor safety and wellness to keep everyone safe. Nippon Paint VirusGuard is an anti-viral¹ and anti-bacterial² paint, made specifically to ensure that our walls are protected and safe to touch. It is formulated with Silver Ion Technology, which is scientifically proven to resist the growth of up to 99% of harmful viruses¹ and bacteria² on the painted surface.

作為塗料專家，我們致力於通過室內安全和健康來確保所有人的安全。立邦VirusGuard抗病毒乳膠漆是抗病毒¹、抗菌²塗料，專用於保護我們的牆壁並讓人們可以安心的觸摸牆壁。此塗料是由銀離子技術配制而成，經科學驗證可預防多達99%的有害病毒¹和細菌²滋長於漆面上。

1. Effective against viruses – 99% Human Coronaviruses, 94% H1N1 (Swine Flu) and 92% HFMD (Coxsackievirus A16)
有效對抗病毒 — 99%的人類冠狀病毒，94%的H1N1 (豬流感)和92%的手足口病 (柯薩奇病毒A16型)
2. Effective against bacteria – 99% E.coli, MRSA, Staphylococcus Aureus
有效對抗細菌 — 99%的大腸桿菌、抗藥性金黃葡萄球菌、金黃色葡萄球菌

99%

Effective against viruses¹ and bacteria²
有效對抗病毒¹和細菌²



What viruses and bacteria does it destroy? Virusguard能夠消滅哪些病毒和細菌呢？



Effective against:
有效對抗：

HUMAN CORONAVIRUSES
人類冠狀病毒

e.g. Strain 229E
229E株



Effective against:
有效對抗：

Influenza
流行性感

e.g. 甲型
H1N1流感
(Swine Flu 豬流感)



Effective against:
有效對抗：

Hand Foot and Mouth Disease
手足口病

e.g. HFMD
(Coxsackievirus A16
柯薩奇病毒A16型)



Effective against:
有效對抗：

Bacteria
病菌

e.g. E.coli大腸桿菌、MRSA
抗藥性金黃葡萄球菌及
Staphylococcus Aureus
金黃色葡萄球菌

Nippon Paint Virusguard 立邦Virusguard抗病毒乳膠漆

VirusGuard is anti-viral and anti-bacterial paint, made specifically to ensure that our wall are protected and safe to touch. It is formulated with Silver Ion Technology, which can resist the growth of up to 99% harmful viruses and bacteria on the painted surface. It is effective against Human Coronaviruses (Strain229E), Influenza (H1N1), Hand, Foot and Mouth Disease (HFMD) and many types of bacteria.

立邦VirusGuard抗病毒乳膠漆是能夠對抗多種傳播病毒的創新油漆，能提供衛生，健康及安全的場所環境，專門用於保護牆壁並讓人們可以安心的觸摸牆壁。它採用銀離子技術，能有效地阻止病毒及細菌繁殖生長，可預防多達99%有害病毒和細菌滋生於漆面上，對人類冠狀病毒(229E株)、流行性感冒(H1N1)、手足口病(HMFD)和多類型的細菌均為有效。適用於對環境衛生要求高的場所如住宅、托兒所、遊戲室、課室、診所、醫院、辦公室等。

Outstanding Features 產品特點



Anti-viral 抗病毒
(Human Coronavirus 人類冠狀病毒229E株、
甲型H1N1流感、HFMD手足口病)
Anti-bacterial 抗菌
(E.coli大腸桿菌、MRSA抗藥性金黃葡萄球菌
、Staphylococcus Aureus 金黃色葡萄球菌)



Low VOC, low odour
超低 VOC、低氣味



Non-toxic – does not contain lead,
mercury and heavy metals
不含鉛、汞及重金屬



Superior Washability
優越耐洗性



Scrub Resistance
耐擦刷性



Mold and Fungus Resistance
防霉菌



Green Choice- certified by Singapore
Green Label Scheme
環保 — 獲新加坡綠色標籤認證



Long Lasting Colour
持久色彩



Easy application
更易施工

Color 顏色

White and 8 Creamy White Colors 白色及8種粉透亮白顏色

Theoretical Coverage 理論覆蓋值

10-12 sq.m/litre/coat (30 microns DFT)

10-12 平方米/升/層 (乾膜厚度：30微米)

Drying Time 乾燥時間 (at 30°C)

Touch dry 觸乾時間：30 mins 30分鐘

Recoating 重塗間隔時間：At least 2 hours 最少2小時

Packing 包裝

5 Litres 5升

Silver Ion Technology

銀離子技術原理



Silver Ion is one of the world's oldest natural antimicrobials. It resists the growth of micro-organisms like viruses, bacteria, mold and fungi. It's absolutely safe for human and pets!

銀離子是世界上最古老的天然抗菌成分之一。它可預防病毒、細菌、霉菌和真菌等微生物的滋長。但對人類和寵物來說，是絕對安全的！

Fact
真相

Coronaviruses Can Remain On Surfaces For Up To 9 Days!

新冠病毒可以在表面上滯留長達9天！

*Source來源：The Journal of Hospital Infection

Destroy Up To 99% Of Viruses¹ And Bacteria²

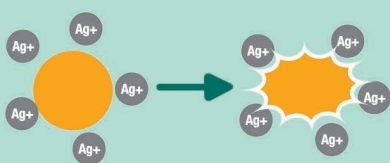
How Does Silver Ion Technology Works?

消滅多達99%的病毒¹和細菌²

銀離子技術如何有效？

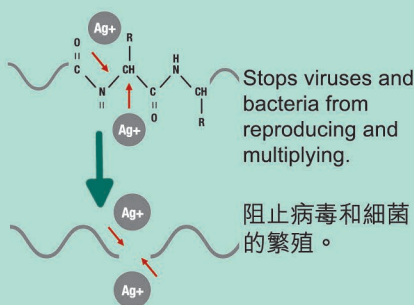
The Silver Ion Technology is scientifically proven to destroy viruses and bacteria in a 3-step approach. 科學證明銀離子技術可通這三個步驟來消滅病毒和細菌。

Step 1: Deactivation 步驟一：抑制活躍

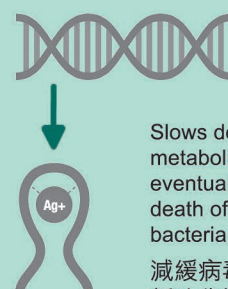


Destroy the cell membrane of viruses and bacteria, making them non-functional.
破壞病毒和細菌的細胞膜，使其失去功能。

Step 2: Stops Reproduction 步驟二：阻止繁殖



Step 3: Inhibits Growth 步驟三：阻止生長



Slows down the metabolism and eventually causes the death of viruses and bacteria.
減緩病毒和細菌的新陳代謝並最終導致其死亡。

1. Effective against viruses – 99% Human Coronaviruses, 94% H1N1 (Swine Flu) and 92% HFMD (Coxsackievirus A16)
有效對抗病毒 — 99%的人類冠狀病毒，94%的H1N1 (豬流感)和92%的手足口病 (柯薩奇病毒A16型)

2. Effective against bacteria – 99% E.coli, MRSA, Staphylococcus Aureus
有效對抗細菌 — 99%的大腸桿菌、抗藥性金黃葡萄球菌、金黃色葡萄球菌

*Paint surfaces destroy viruses and bacteria within just 12 hours
*塗漆的表面僅需12小時即可消滅病毒和細菌！

Excellence Functions

產品卓越功能



Low VOC And Low Odour

超低揮發性有機物和低氣味

Certified by green label and listed as green choice series, it is formulated with the health and safety of everyone in mind. Volatile Organic Compound (VOC) are commonly found in any indoor building materials and contribute to several health problems.

專為每個人的健康和 safety 而配制，具綠色標籤認證，被列為綠色產品選擇系列。揮發性有機物一般存在於室內建築材料中，並會引發健康問題。



Superior Washability

優越耐洗性



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

讓您輕鬆清除各類污漬，如蠟筆/彩色鉛筆痕漬、果汁、醬汁等。

*Source: When tested under experiment/ laboratory conditions.



Scrub Resistance

耐擦刷性



Paint film remains undamaged after 10,000 scrubs.*

漆膜在擦洗了10,000次後，仍保持完好無缺。*

*來源：在實驗/實驗室條件下進行的測試

Recommended Application Areas

建議使用地方

Nippon Paint VirusGuard is suitable for application on the walls and ceilings of the following at-risk rooms and building:

立邦VirusGuard抗病毒乳膠漆適合用於牆身、天花，以及對環境衛生要求高的場所。



Residences

住所

Bedroom,
Living room,
Dining room
睡房、客廳、飯廳



Health Institutions

衛生機構

Clinics, Hospitals
診所、醫院



Educational Centres

教育中心

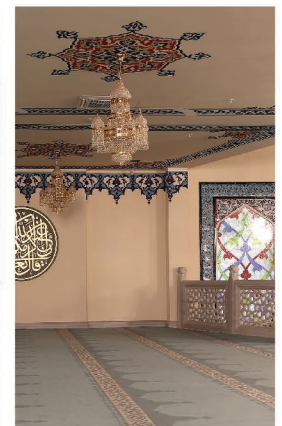
Classroom,
Multi-purpose hall,
Canteen
教室、多功能禮堂、
飯堂



Commercial Areas

商業空間

Restaurants, Office,
Meeting room,
Pantry, Lobby areas
餐館、辦公室、會議室、
廚房、大廳



Others

其他

Aged care facilities,
Church
護老院、教堂

Frequently Asked Questions

常見問題

How long does it take for Nippon Paint VirusGuard paint to be effective against viruses and bacteria?



立邦VirusGuard抗病毒乳膠漆需要多長時間才能有效消滅病毒和細菌？

It will be effective within 12 hour application. When viruses and bacteria lands on the painted surface, silver ion will destroy the cell membrane making them non-functional. Within just 12 hours, the viruses and bacteria will stops reproducing and multiplying, which eventually causes death. It is scientifically proven to be 99% effective against viruses and bacteria*.

*Studies from Analytical Lab Group (ALG) and ATS Laboratories

它將在上漆後的12小時內生效。當病毒和細菌被傳播到漆面上時，銀離子將破壞它們的細胞膜，使其失去功能。只需短短的12個小時，病毒和細菌就會失去繁殖能力，最終導致死亡。此塗料經科學證實具有對抗多達99%的病毒和細菌的功效*。

*由Analytical Lab Group (ALG) and ATS Laboratories的研究證實

How long will the anti-viral and anti-bacterial properties in Nippon Paint VirusGuard remain effective?



立邦VirusGuard抗病毒乳膠漆中的抗病毒以及抗菌性能能保持多長時間？

It remains effective as long as the integrity of the paint film is maintained and in good condition.

只要漆膜保持完整並處於良好狀態，它將持續有效。

What is the difference between anti-bacterial and anti-viral paint?



抗菌和抗病毒塗料之間有什麼區別？

As bacteria and viruses have different characteristics, an anti-bacterial paint will only be effective against bacteria only - not viruses. On the other hand, Nippon Paint VirusGuard has been proven to be effective against both viruses and bacteria.

由於細菌和病毒具有不同的特性，因此抗菌塗料僅對細菌有效，對病毒則無效。而立邦VirusGuard抗病毒乳膠漆已被證實可同時有效地對抗病毒和細菌。

Is Nippon Paint VirusGuard effective against COVID-19?



立邦VirusGuard抗病毒乳膠漆對新冠病毒有效嗎？

COVID-19 is a new strain of coronavirus never seen before in humans, and is not yet available for testing with any products. However, Nippon Paint VirusGuard has demonstrated effectiveness against Human Coronavirus (strain 229E).

新冠病毒是一類新型冠狀病毒，之前從未在人與人之間傳播，目前也尚無法用於任何產品的測試。但是，立邦VirusGuard抗病毒乳膠漆已被證實能對抗人類冠狀病毒(229E株)。

Is Nippon Paint VirusGuard safe to apply around pregnant women, children, the sick, elderly and animals?



立邦VirusGuard抗病毒乳膠漆是否合會對孕婦、兒童、病患、老人和動物造成影響？

Nippon Paint VirusGuard does not contain any hazardous substances, making it harmless unless ingested. Due to all paints being chemical products though, it is best for highly sensitive groups of people such as the sick, elderly and young children to not to be present in the area during painting.

立邦VirusGuard抗病毒乳膠漆不含任何有害物質，除非誤食，否則無害。由於所有塗料均是化學產品，因此最好不要讓如病患、老人和幼兒等高風險人群出現在正上漆中的空間。

Technical Information

技術資料

Surface Preparation 表面處理

- Prepare unpainted surface 新建牆面：
Remove and dust, grease and loose matter. Surface should be clean, dry & stable.
清除表面灰塵、油膩和鬆散泥灰，如果有孔隙及時修補，確保牆面清潔乾燥和平整。
- Prepare painted surface 重塗牆面：
Remove old layers, dust and contaminant. Sand all glossy, rough or patchy surfaces.
剷除舊牆面不牢固的漆膜，清除表面灰塵粉化物和雜質，批平打磨，清洗並徹底乾燥。

Recommended Application 施工方法

- 1 coat of Nippon Paint Odour-less Color Sealer
一層立邦淨味幻彩底漆
- 2 coats of Nippon Paint VirusGuard Anti-Viral Paint
兩層立邦VirusGuard抗病毒乳膠漆

Dilution 稀釋

- Using brush and roller - Dilute with not more than 5% of clear water. Preferable not dilute for best performance.
刷塗或輥塗 — 用不多於5%清水稀釋。建議不用稀釋以達致最佳效果。
- Stir well before use.
使用前應攪拌均勻。

Product Page
產品介紹

Paint Guide
施工教學



Related Product

配套產品



Nippon Paint Anti-Fungus Solution 立邦水性防霉劑

It serves to exterminate the fungus or algae
深入霉菌頑固根部，消滅牆面霉菌



Nippon Paint Odour-less Color Sealer 立邦淨味幻彩底漆

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