## Technical Information

技術資料

#### Surface Preparation 表面處理

- Prepare unpainted surface 新建牆面: Remove any dust, grease and loose matter. Surface should be clean, dry & stable. 清除表面灰塵、油膩和鬆散泥灰,如困有孔隙及時修補,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 Nipopn Paint Anti-Viral Odour-less Kids Paint PRO/ Anti-Viral Odour-less Kids Paint 二層立邦抗病毒淨味兒童漆PRO /抗病毒淨味兒童漆

#### Dilution 稀釋

- Using brush and roller Dilute with clear water in between 10 20% volume of total consumption paint.

  刷塗或輥塗 可加入約10 20% (體積比) 的清水稀釋。
- Using airless spray Must not exceed 10% volume of tatl paint consumption by using clean water.
- 無氣噴塗 可根據實制情況使用不超過塗料10%體積的清水稀釋。
- Stir well before use. 使用前應攪拌均匀。

#### Theoretical Coverage 理論覆蓋值

13-14 sq.m/litre/coat (30 microns DFT) 13-14平方米/升/層 (乾膜厚度: 30微米)

#### Drying Time (at 25-30°C)

Touch Dry 觸乾時間: 60mins 60分鐘 Recoating 重塗間隔時間: At least 2-3 hours 最少2-3小時

#### Packing 包裝

1 Litre, 4.5 Litres 1升, 4.5升

**Paint Guide** 

施工教學

## Related Products

配套產品

#### Surface Preparation 牆面處理



Nippon Paint Odour-less Wall Putty 立邦淨味批牆灰

Smoothing uneven substrates 修補及填平凹凸牆面



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

Sealing and adhesive powers 封閉底材及提供附著力



#### Selleys No More Gaps Multipurpose Gap Filler 犀利牌彈性填縫劑

A flexible and paintable gap filler, perfect choice for interior and exterior gap filling and sealing 可上油漆及具彈性, 適用於室內及室外的縫隙填補

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

Killing mould and algae 除霉殺菌

Tool 工具





Nippon Paint Masker Tape 立邦和紙保護膜

Good covering effect and convenient 周全保護,整潔方便



Nippon Paint Adhesive Tape 立邦和紙膠帶

Good colour separation and no residual glue 分色整齊, 不留殘膠



Nippon Paint Premium All-in-One Paint Brush 立邦金裝全能油掃

Good absorption and smooth finishing 吸油量高,髹得細緻



Nippon Paint Classic Polyester Roller 立邦快塗寶經典油轆

High efficiency and even finish 塗刷速度快,均匀細膩

#### 即享nClub非凡體驗

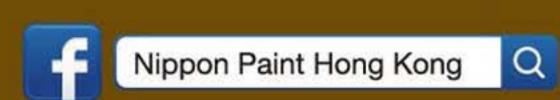




#### NIPPON PAINT (H.K.) CO., LTD.

Tel: (852) 2699 9333 Fax: (852) 2602 8844 Email: np@nipponpaint.com.hk

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A MEMBER OF THE NIPSEA GROUP



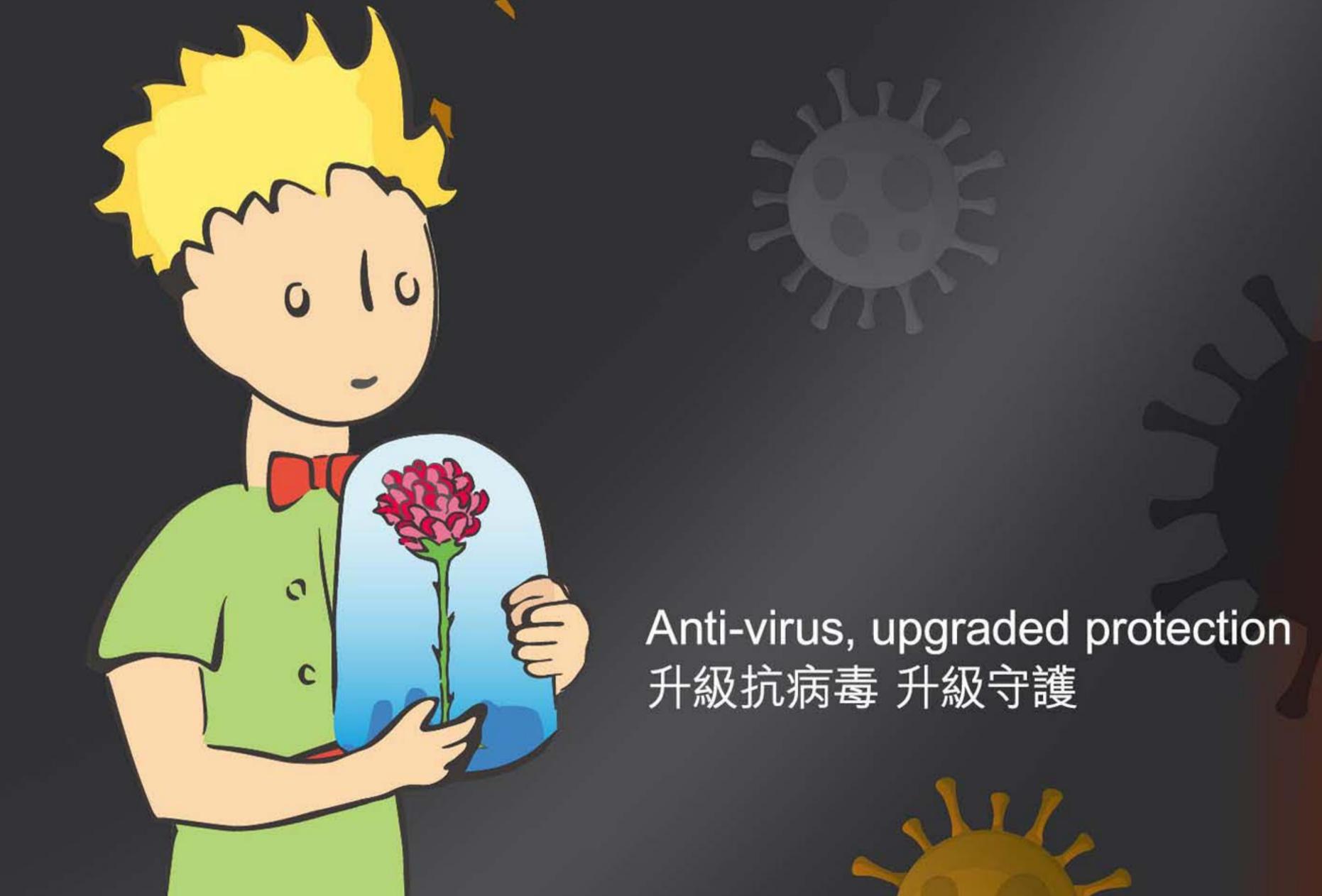


Anti-Viral series
Anti-Viral Odour-less
Kids Paint PRO

立邦抗病毒淨味兒童漆PRO

Anti-Viral Odour-less Kids Paint

立邦抗病毒淨味兒童漆



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### Nippon Paint Anti-Viral Odour-less Kids Paint series | 立邦抗病毒淨味兒童漆系列

Nippon Paint Anti-Viral Odour-less Kids Paint series are formulated with anti-virus technology, which can effective against a variety of common viruses even COVID-19\*. It can resist 11 kinds of bacteria<sup>3</sup> and 11 kinds of fungus<sup>4</sup>. This product is odour-less, eco-sense and capable of purifying air by abating harmful formaldehyde, also achieves the highest level to first-grade anti-stain. It is an all in one product with internationals certifications, which provides you and your kids an upgraded all-round protection with fresh and clean home surroundings.

立邦抗病毒淨味兒童漆系列,創新抗病毒科技,能有效殺滅多種病毒, 以至新冠狀病毒\*,同時具有抗菌防霉功能,可有效抵抗禦11種細菌3 及11種霉菌4。產品淨味環保,能淨化室內空氣中有害的游離甲醛, 耐污漬性更優於I級抗污標準,配合全效功能,並通過多個 國際認證,為您提供安全保證。

\*Applicable on Nippon Paint Anti-Viral Odo 只適用於立邦抗病毒淨味兒童漆PRO。 ir-less Kids Paint PRO only.

# The spread of viruses

病毒的傳播

### Coronaviruses 冠狀病毒

Coronaviruses are a large family of viruses found in both animals and humans. Some coronaviruses infect people and are known to cause colds and more serious diseases such as Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). "Coronavirus Disease 2019 (COVID-19)", is a novel coronavirus. The Symptoms include fever, malaise, dry cough and shortness of breath and the main mode of transmission is through respiratory droplets.

冠狀病毒是在動物和人體中發現的一個大型病毒家族。一些冠狀病毒會感染人,已知可引起感 冒以及中東呼吸綜合症 (MERS) 和嚴重急性呼吸綜合症 (沙士) 等較嚴重疾病。 「2019冠狀病毒病」是一種新型冠狀病毒,最常見病徵包括發燒、乏力、乾咳及呼吸困難,經呼 吸道飛沫傳播是主要的傳播途徑。

#### Hand, foot and mouth disease 手足口病

Hand, foot and mouth disease (HFMD) is a common disease in children caused by enteroviruses such as coxsackieviruses and enterovirus 71 (EV71). HFMD caused by EV71 is of particular concern as it is more likely associated with severe complications (such as viral meningitis, encephalitis and poliomyelitis-like paralysis) and even death.

手足口病是一種常見於兒童的疾病<sup>,</sup>通常由腸病毒如柯薩奇病毒和腸病毒71型引起。腸病毒71型引致的手足口病備受關注<sup>,</sup>是因為它較有可能引致嚴 重併發症(如病毒性腦膜炎、腦炎及類小兒麻痺症癱瘓等),甚至死亡。

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

It started from a sneeze 從一個噴嚏開始

To touching a wall To greeting others 觸碰牆面 握手問候

To touching your face or breathing in 觸膜臉龐並吸入



NIPPON

ANTI-VIRAL

抗病毒淨味兒童漆

NIPPON PAINT

抗病毒淨味兒童漆

# Kill viruses within just 2 hours

2小時殺滅病毒

Nippon Paint Anti-Viral Odour-less Kids Paint PRO is formulated with Corning Guardiant<sup>TM</sup> Technology (copper ion Cu+). Paint surfaces can destroy >99.9% SARS-CoV-2, Human Coronavirus 229E and Feline Calicivirus (FCV) within just 2 hours<sup>1</sup>.

立邦抗病毒淨味兒童漆 PRO 採用 Corning Guardiant™ 抗微生物 銅離子技術,能2小時內殺滅塗層表面>99.9%冠狀病毒 SARS-CoV-2、人類冠狀病毒229E及貓杯狀病毒等多種常見病毒」。

#### Mechanisms of action of virus and copper 病毒和銅的作用機制

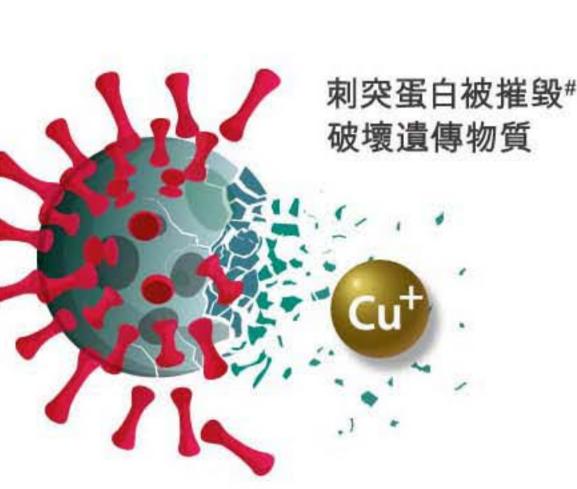
#### Enveloped virus 包膜病毒

The copper ions destroy viruses in 2 mechanisms 銅離子通過兩重機制破壞包膜病毒

- Destroy the viral envelope, making them non-functional and non-infectious 破壞病毒包膜使其失去功能且無感染性
- Destroy the genetic material, stops viruses from reproducing and multiplying 破壞遺傳物質使病毒無法繁殖

#### Non-enveloped virus 非包膜病毒

The copper ions destroy capsid and genetic material of viruses, stops viruses from reproducing and multiplying 銅離子影響衣殼^的完整性並破壞非包膜病毒的遺傳物質 因此病毒無法繁殖

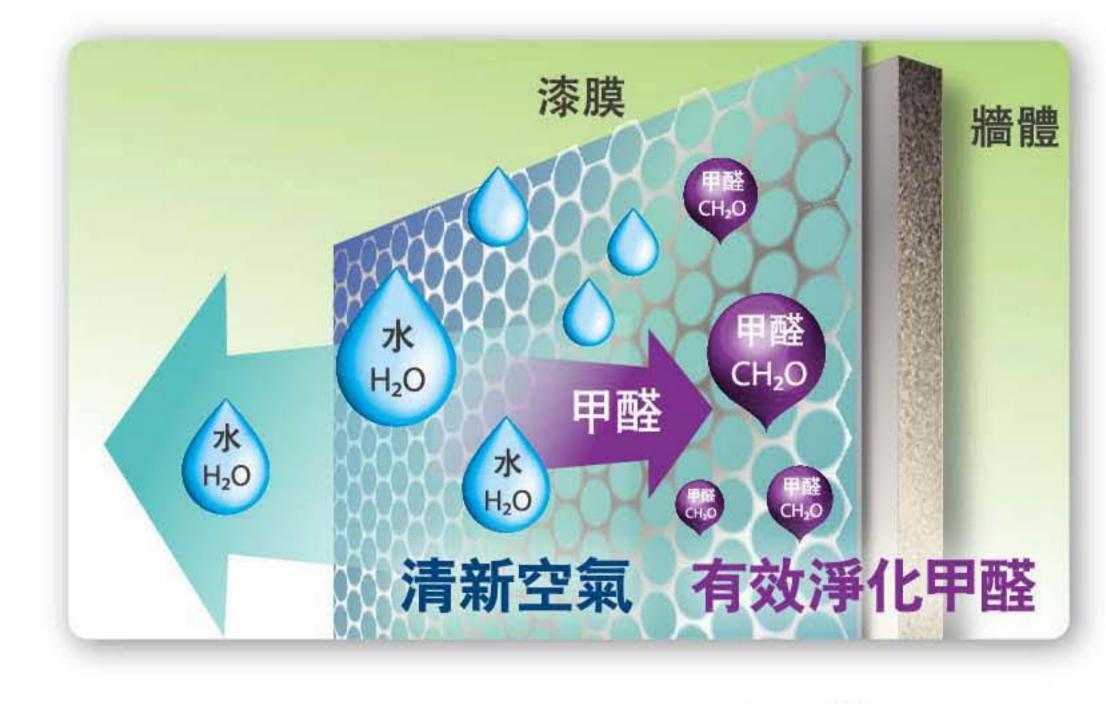


脂質膜結構被拆除



銅離子破壞衣殼蛋白質 破壞遺傳物質,因此病毒無法繁殖

- #Viral spike proteins bind to cellular receptors, and facilitate fusion between the viral envelope and the cell membrane, viral genome gains entry into a human cell and begins infection. 病毒表面的刺突蛋白與人類細胞受體結合後,病毒膜與人類細胞膜融合,使得病毒基因組得以進入人類細胞並開始感染。
- A capsid is the protein shell of a virus, enclosing its genetic material. 衣殼是病毒的蛋白質外殼,作用是用於包裹病毒的遺傳物質。



### Anti-Formaldehyde 分解甲醛

#### Formaldehyde Abatement: Transform and Disappear 先分解後蒸發,甲醛不留宿

Painted surface can abate and decrease a certain level of harmful formaldehyde. Recognized by National Inspection & Test Center, it is a high effective decomposition technology<sup>5</sup>. With these safe and eco-friendly products, your kids can live in fresh and clean home surroundings.

牆面可持續淨化室內空氣中的有害甲醛,並獲得國家級最高研究所認證功效5,產品安全環保,讓孩子 淨享清新空氣。



Top Class Anti-stain, stain particles obstructed 頂級抗污,污漬不通過

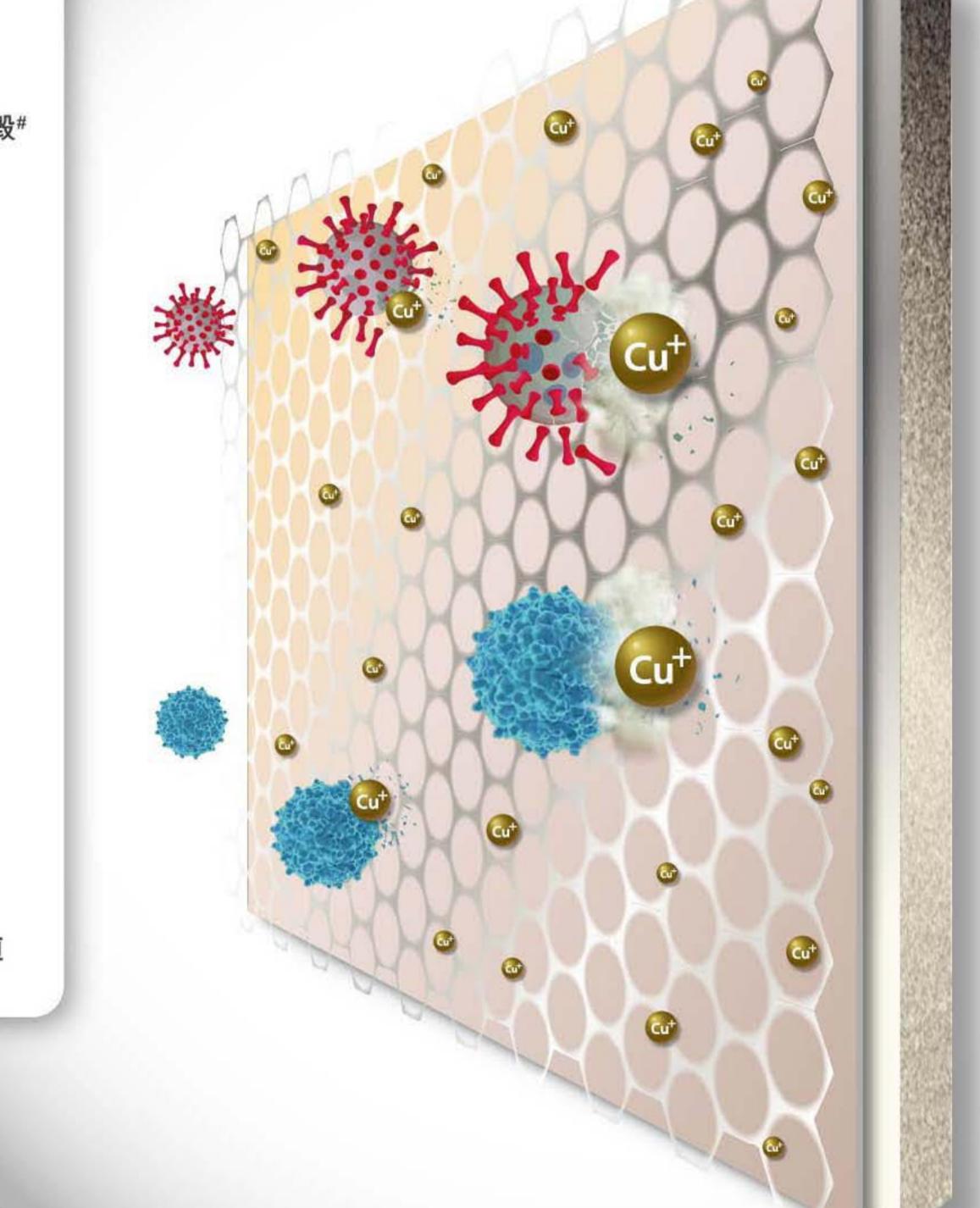
Household stains are easily removed and paint film remains undamaged after 30,000 scrubs. 90% household stain from: Mosquitoes blood stain, juice, coffee & tea, shoeprint, handprint, watercolor.

高效抵禦多種日常生活污漬,打理更輕鬆。家庭牆面污漬90%以上來自於:蚊子血印、果汁、咖啡及茶、鞋印、手印、水彩。

# **Outstanding Features**

Cover Harline Cracks, Excellent Washability, Moisture-proof, Alikali Resistance, Excellent Hiding Power, Good Leveling Power, Quick Drying, Matt Finish, Computerized Colour Matching and Easy application.

覆蓋細微裂紋、耐擦洗、防潮透氣、抗鹼、高遮蓋力、流平性優異、乾燥快、啞光漆面、電腦配色、更易施工等卓越全效功能。



M

Copper ion 銅離子抗病毒

# Nippon Paint Anti-Viral Odour-less Kids Paint PRO

立邦抗病毒淨味兒童漆PRO

Nippon Paint Anti-Viral Odour-less Kids Paint PRO is an innovative interior paint that specially formulated with Corning Guardiant™ Technology (Copper ion Cu+). Paint surfaces can destroy >99.9% SARS-CoV-2, Human Coronavirus 229E and Feline Calicivirus (FCV) within just 2 hours<sup>1</sup>. It can resist 11 kinds of bacteria<sup>3</sup> and 11 kinds of fungus<sup>4</sup>, reducing the risk of infections. It is an all in one product, which provides you and your kids an upgraded all-round protection with fresh and safe home.

立邦抗病毒淨味兒童漆PRO採用康寧公司的 Corning Guardiant™ 抗微生物銅離子技術,能2小時內殺滅塗 層表面>99.9%冠狀病毒SARS-CoV-2、人類冠狀病毒229E及貓杯狀病毒等多種常見病毒<sup>1,</sup>同時具有抗菌 防霉功能,可有效抵禦11種細菌3及11種霉菌4,集合全效功能,為您及孩子營造一個清新、安全的空間,為家 居帶來升級守護。

### Outstanding Features 產品特點

- Kill 99.9% Coronavirus 殺滅99.9%新冠狀病毒
- V Cu+ Anti-virus 銅離子抗病毒
- Formaldehyde Abatement 分解甲醛
- ▼ First-grade Anti-stain I級抗污
- ▼ First-grade Anti-bacteria I級抗菌
- Excellent Anti-fungus 超強防霉

- Eco-sense 無添加
- Nearly Zero VOC 近乎零VOC
- Odour-less, Eco-friendly 淨味環保
- Cover Hairline Cracks 覆蓋細微裂紋
- Excellent Washability 超級耐擦洗
- Exclusive Colour 專屬配色



抗病毒淨味兒童漆

**COVID-19** 

冠狀病毒SARS-CoV-2檢測報告 基於美國國家環境保護局(EPA)測試 方法,通過亞利桑那大學Water & Energy Sustainable Technology Center檢測

## Silver ion 銀離子抗病毒

# Nippon Paint Anti-Viral Odour-less Kids Paint\*

立邦抗病毒淨味兒童漆

Nippon Paint Anti-Viral Odour-less Kids Paint is an environmental friendly and all in one product with innovative technologies: Anti-virus, Anti-bacteria, Formaldehyde Abatement<sup>5</sup> and Anti-stain<sup>6</sup>. It is formulated with silver ion technology, which can effective against a variety of common viruses such as Influenza A (H3N2) and Enterovirus 71 (EV71)2. It can resist 11 kinds of bacteria3 and 11 kinds of fungus<sup>4</sup>, reducing the risk of infections. It is odour-less and eco-sense, which provides you and your kids an upgraded all-round protection with a fresh and clean home surroundings.

立邦抗病毒淨味兒童漆在淨味兒童漆的基礎上,融合創新科枝 — 抗病毒 + 抗菌 + 分解甲醛<sup>5</sup> + I級抗污<sup>6</sup>。 產品採用銀離子技術,能殺滅多種常見病毒如甲型流感病毒(H3N2)及腸道病毒71型(EV71)2,同時具有抗 菌防霉功能,可有效抵禦11種細菌3及11種霉菌4。產品淨味環保,集合全效功能,為您及孩子營造一個清 新、潔淨的空間,為家居帶來升級守護。

### Outstanding Features 產品特點

- → Ag+ Anti-virus 銀離子抗病毒
- Formaldehyde Abatement 分解甲醛
- First-grade Anti-stain I級抗污
- First-grade Anti-bacteria I級抗菌
- Excellent Anti-fungus 超強防霉





#### Eco-sense 無添加

- Nearly Zero VOC 近乎零VOC
- Odour-less, Eco-friendly 淨味環保
- Cover Hairline Cracks 覆蓋細微裂紋
- Excellent Washability 超級耐擦洗

# i-Color Home Schemer

### 自家色彩設計師

"Nippon Paint i-Color Home Schemer" helps you preview any colour combinations in your home before you actually start painting. Refresh your home with Nippon Paint Colours now.

「立邦i-Color自家色彩設計師」能讓您預覽任何居室顏色組 合,即登入立邦網站為您家居塗上 Nippon Paint 夢幻顏色。



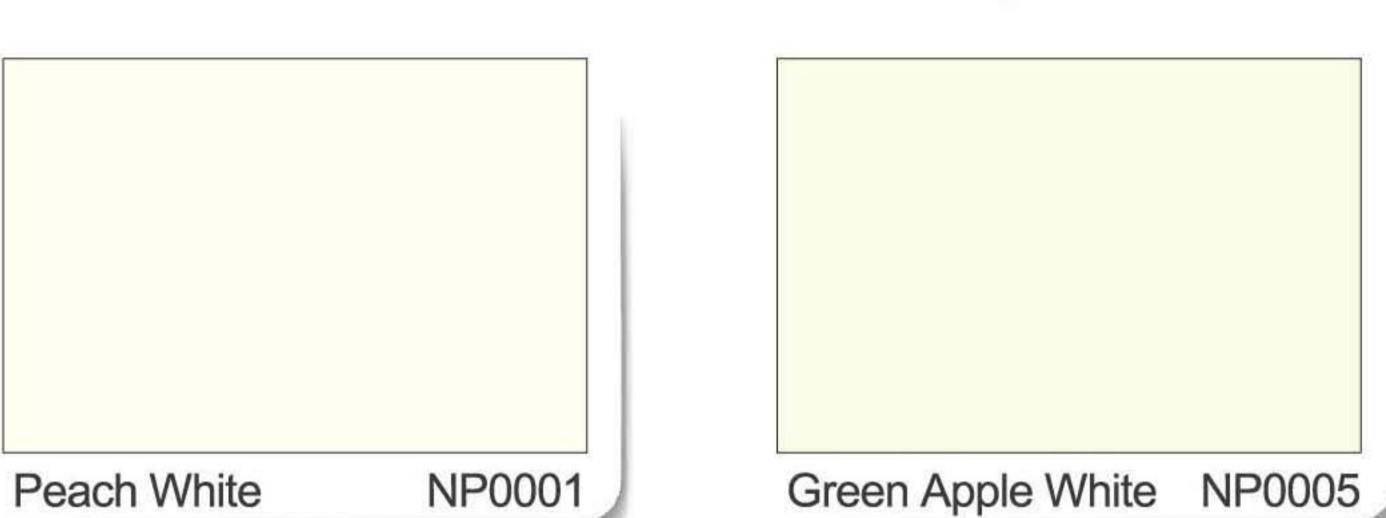


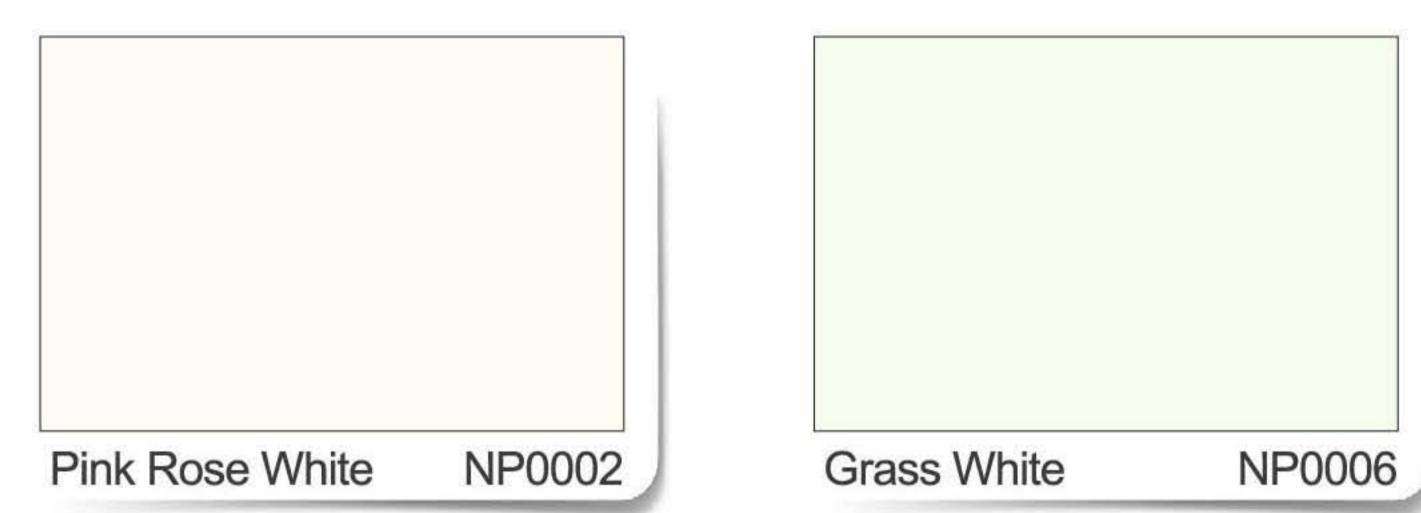
### Nippon Paint Tinting Service 立邦配色服務

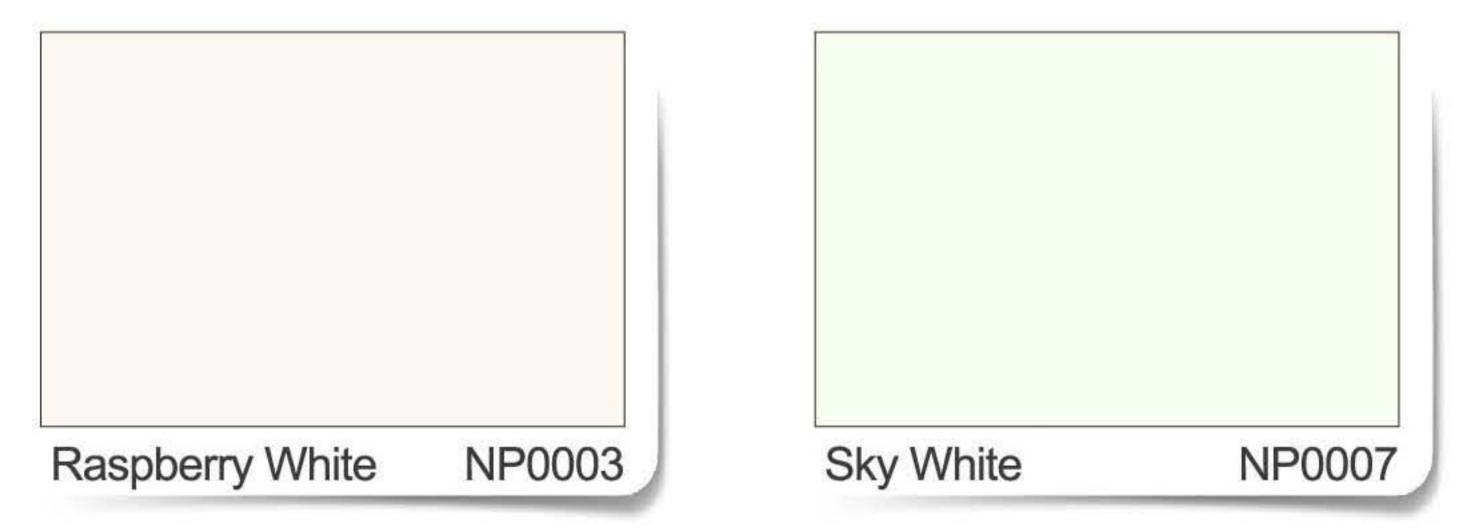
Nippon Paint aims to provide the most advanced technology for tinting service. Through the simple and convenient steps, the service facilitates the greatest flexibility for you to personalize your home with thousands of colour choices. All these can be right at your fingertip within just a few minutes!

立邦引進先進科技,利用電腦調校出逾千種顏色的『夢幻千色調色系列』。特快電腦配色,過程只需數分鐘,心水顏色 立即呈現眼前,實現您想家居!

# \_ Creamy White/粉透亮白系列







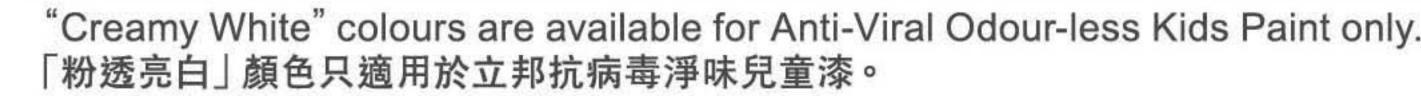


<sup>&</sup>quot;Creamy White" colours are available for Anti-Viral Odour-less Kids Paint only. 「粉透亮白」顏色只適用於立邦抗病毒淨味兒童漆。

#### Nippon Paint Anti-Viral Odour-less Kids Paint series 立邦抗病毒淨味兒童漆系列 Packing ANTI-VIRAL ODGUR LEGS KIDS PAINT 抗病毒评味兒童潑 ANTI-VIRAL PHD DOOUR-LESS KIDS PANT 抗病毒澤味兒童潑 T 2 3 8 **Anti-Viral Odour-less Anti-Viral Odour-less Kids Paint PRO Kids Paint** 立邦抗病毒淨味兒童漆 立邦抗病毒淨味兒童漆 PRO Influenza A VirusH3N2 Human Coronavirus Anti-virus 甲型流感病毒H3N2<sup>2</sup> 冠狀病毒SARS-CoV-21 抗病毒 Enterovirus Type 71 Human Coronavirus 人類冠狀病毒229E1 腸道病毒71型EV712 Feline Calicivirus 貓杯狀病毒 FCV1 Influenza A Virus H3N2 甲型流感病毒H3N2² Enterovirus Type 71 腸道病毒71型EV712 Anti-bacteria 11 kinds of bacteria 11 kinds of bacteria + 11 kinds of fungus + 11 kinds of fungus 11種細菌 + 11種霉菌 11種細菌 + 11種霉菌 Formaldehyde Abatement 分解甲醛5 First-grade Anti-stain I級抗污6 White白色 Colour choice 12 Standard Colours 標準顏色 32 Standard Colours 顏色選擇 標準顏色 931 Colour Creations Colours 夢幻千色 (Colour code shown with "-4" at the end 最尾數字為「-4」的色號 e.g RC0011-4) Certification 專業認證

德國萊茵TÜV認證 符合A+環保高標準

選擇顏色 Choose your colour



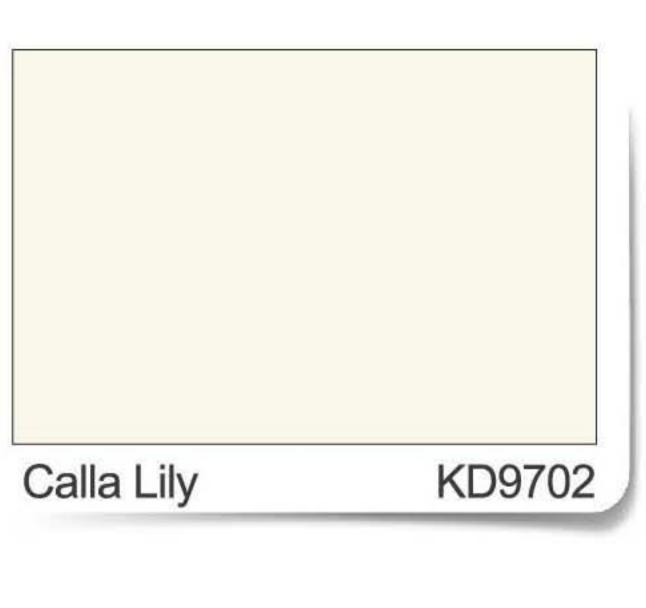
### Nippon Paint Anti-Viral Odour-less Kids Paint PRO 立邦抗病毒淨味兒童漆PRO

# Standard Colours/標準色系列

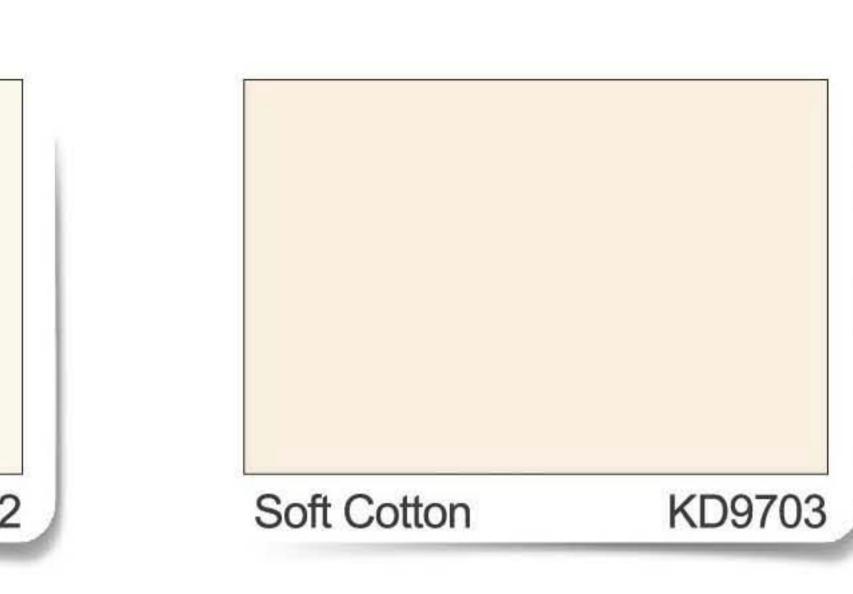


Sprout Green

KD9801



KD9802



Blue Gala

True Love

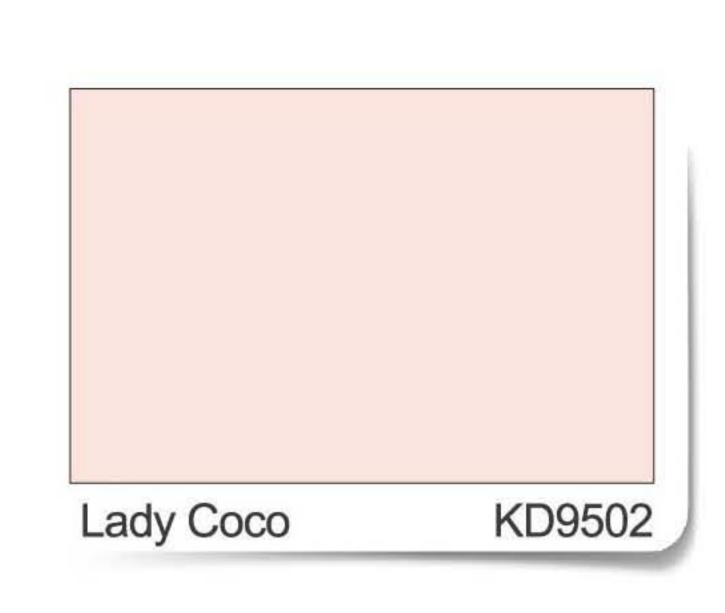
KD9901

KD8568

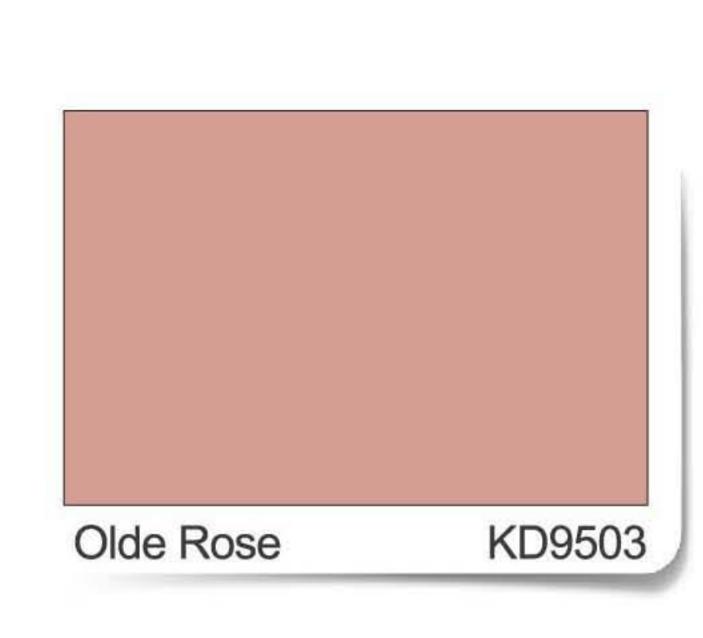


KD9902

Blue Rhythm



Wind Chimes Blue KD9201



Snow Fox





Little Garden



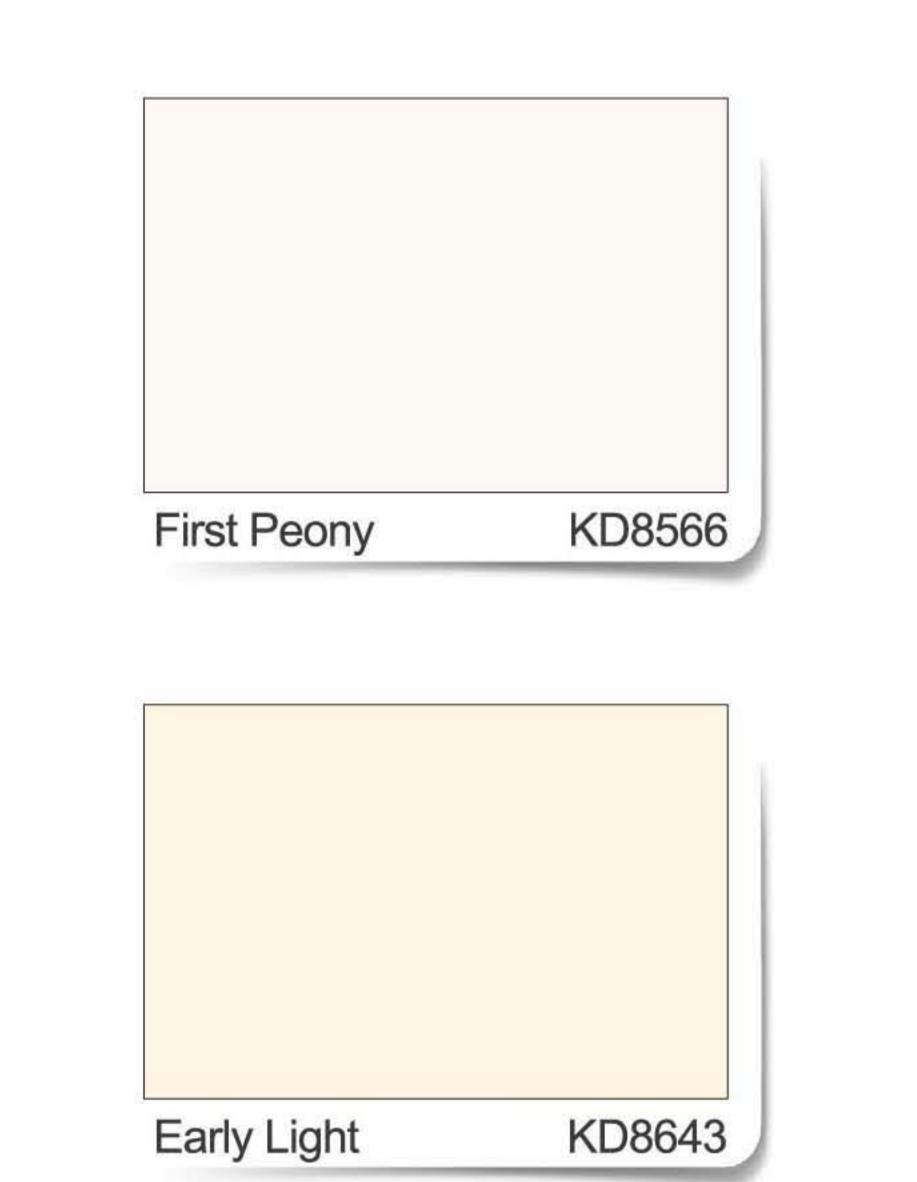


KD9401

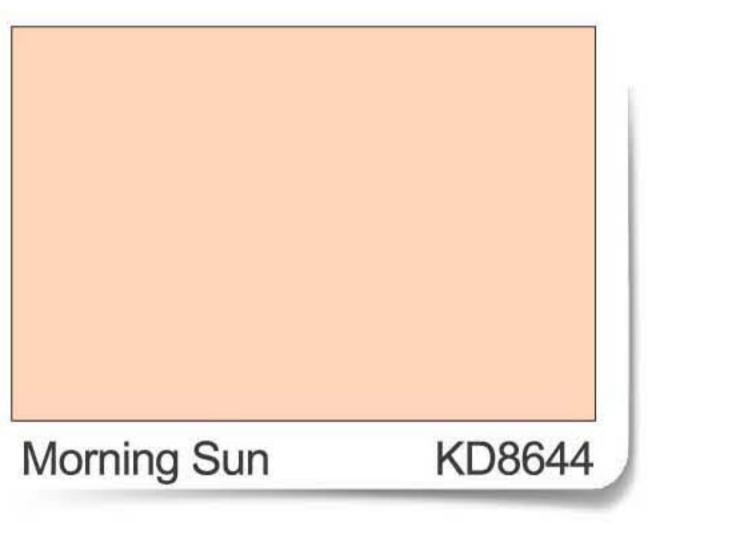
### Nippon Paint Anti-Viral Odour-less Kids Paint 立邦抗病毒淨味兒童漆

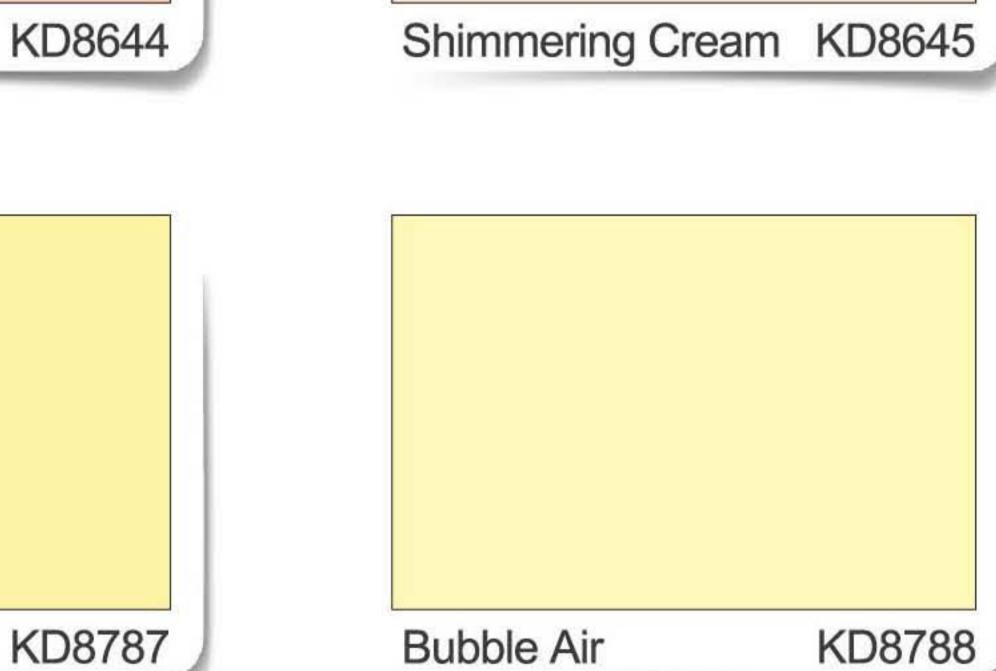
Green Leaves

# Standard Colours/標準色系列

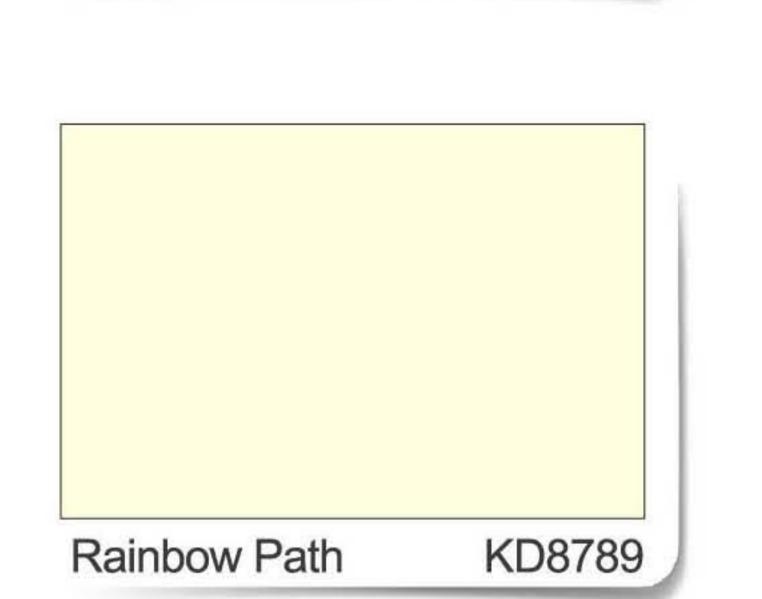




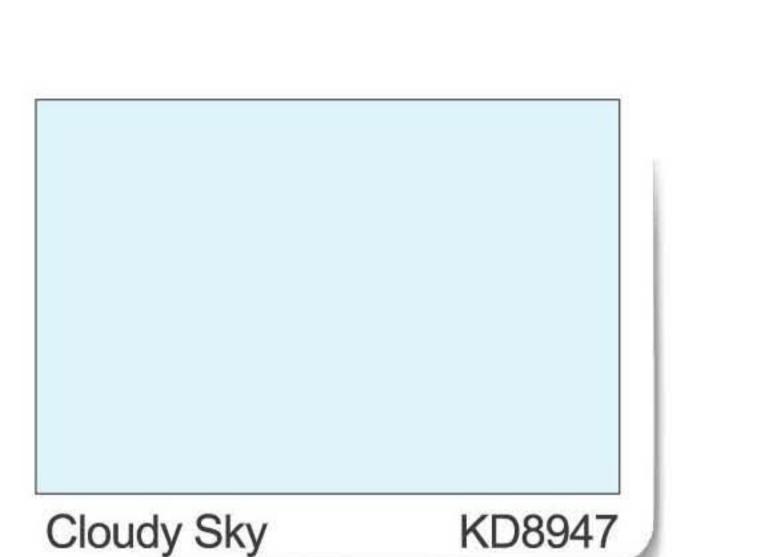






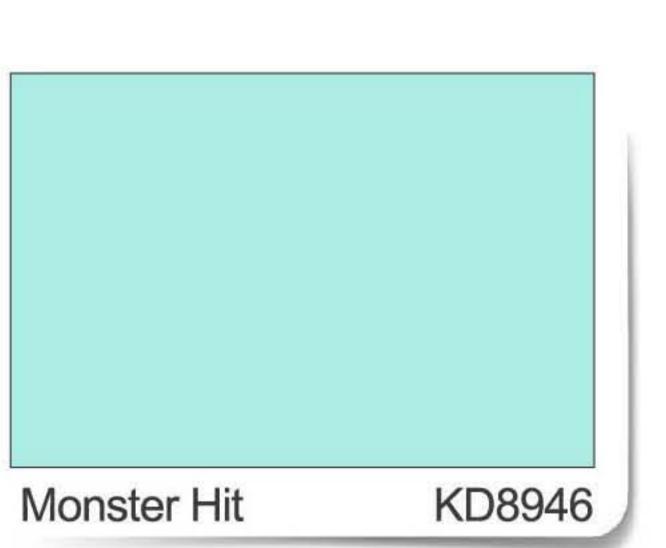




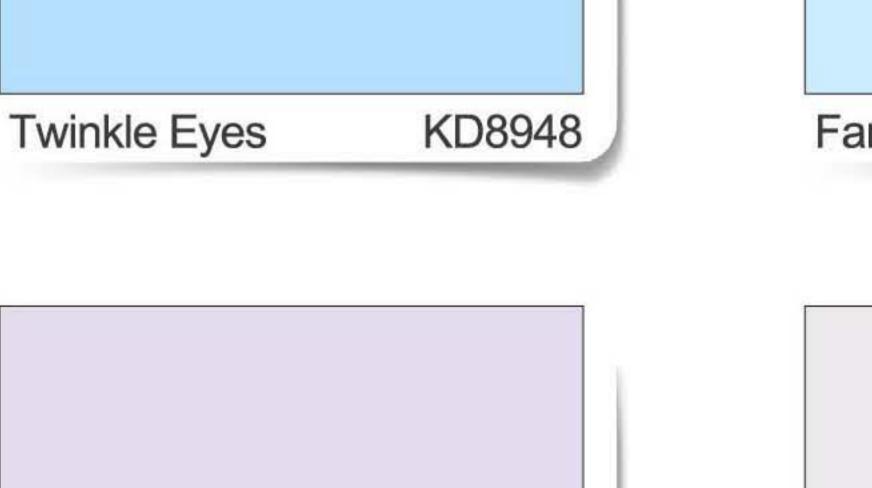




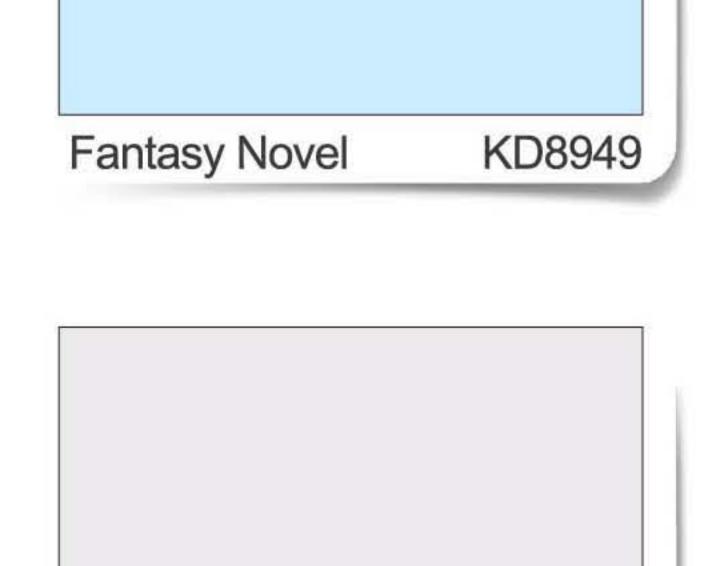
KD8237







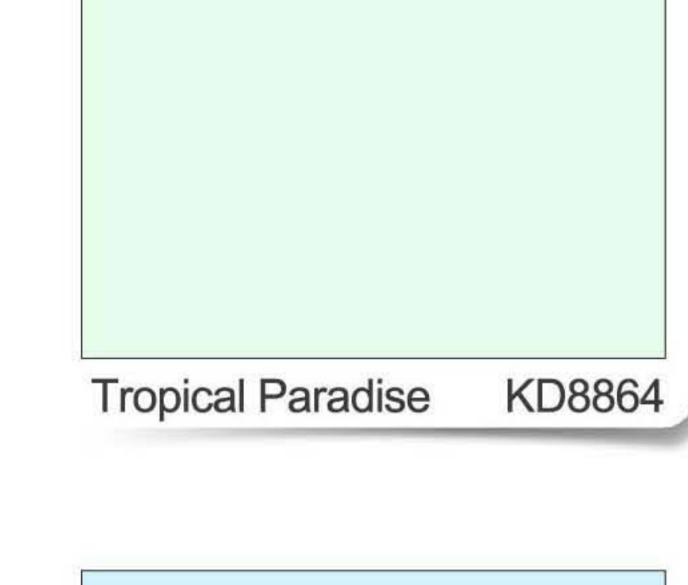
KD8238



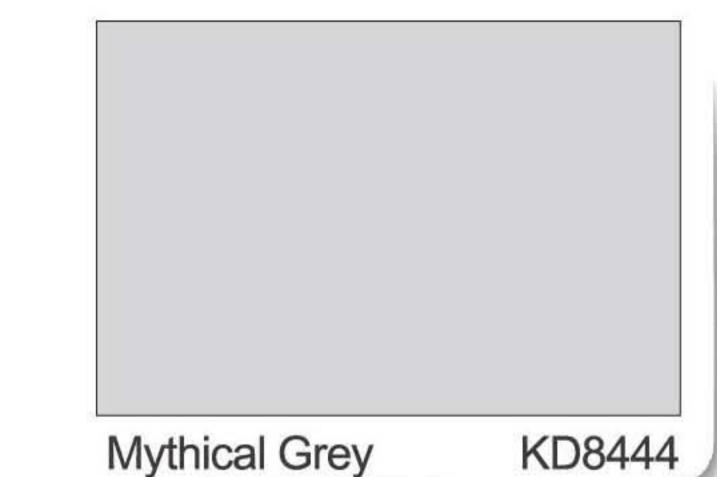
Memory Keeper

KD8863

KD8239







#### White 白色 / SF1902M / SF3302M

KD8786

#### Remarks 備註:

Fruitful Trip

- 1.SARS-CoV-2 & Human Coronavirus 229E: Tested by Water & Energy Sustainable Technology Center, The University of Arizona, test method adapted from EPA. 冠狀病毒SARS-CoV-2及人類冠狀病毒229E: 基於美國國家環境保護局(EPA)測試方法,通過亞利桑那大學Water & Energy Sustainable Technology Center檢測 FCV貓杯狀病毒: Tested by Microchem Laboratory 2020
- 2. Influenza A Virus (H3N2), Enterovirus Type 71 (EV71): According to T/GDTL 011-2020 Anti-bacterial & anti-virus test and T/CNCIA 03002-2020 Anti-bacterial & anti-virus test standard. 甲型流感病毒(H3N2), 腸道病毒71型(EV71): 根據T/GDTL 011-2020《抗菌、抗病毒塗料》和T/CNCIA 01014-2020《抗菌及抗病毒塗料》標準。
- 3. Anti-bacteria is according to GB/T 21866-2008 Anti-bacterial performance test and recognized by "Detection center of microbiology". 抗菌:根據GB/T 21866-2008《抗菌塗料(漆膜)抗菌性測定法和抗菌效果》標準。
- 4. Anti-fungus is according to GB/T 21866-2008 Anti-bacterial performance test and recognized by "Detection center of microbiology". 防霉:根據GB/T 21866-2008《抗菌塗料(漆膜)抗菌性測定法和抗菌效果》標準。

Gala Party

- 5. Anti-formaldehyde: According to Building and Engineering Materials standard: JC/T1074-2008, the test of "Purificatory performance of coatings with air purification. 分解甲醛:根據JC/T 1074-2008《室內空氣淨化功能塗覆材料淨化性能》標準。
- 6. Anti-stain function is recognized by the "HG/T 4756-2014 National Quality Supervision Testing Center for Paint" as a first-grade. I級抗污:根據HG/T 4756-2014《內牆耐污漬乳膠塗料》(I級)標準。

All colours shown are closest to the actual Nippon Paint Colours as modern printing techniques permit, for reference only. All colours are subjects to the original paint colours.

本漆版是現代印刷技術所能印出最接近原漆的顏色,只作參考用途。一切顏色以原漆顏色為準。

KDXXXX are the standard colours which are available for Anti-Viral Odour-less Kids Paint Series only. Nippon Paint Anti-Viral Odour-less Kids Paint is also available in White and colour code SF1902M, SF3302M.

KDXXXX為標準顏色,只適用於立邦抗病毒淨味兒童漆系列。立邦抗病毒淨味兒童漆另有白色、SF1902M、SF3302M可供選擇。

Juicy Grape

Dark colours are recommended the additional coats for best results.

深色顏色建議塗刷多遍,以達到最滿意效果。

**Dream Beauty** 

All colours shown in photographs may vary from actual paint colours due to lighting and printing. 由於攝影時的燈光及印刷技術之影響,相片中之顏色與實際漆油顏色有所不同。



Odour-less Kids Paint PRO 立邦抗病毒淨味兒童漆PRO



Nippon Paint Anti-Viral Odour-less Kids Paint 立邦抗病毒淨味兒童漆