



納米固態銀離子抗菌貼膜

Nano - Antibacterial Coating Film



天比廣告有限公司
GREENBASE AD LIMITED

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營運抗疫新常態 高效益長效方案

New Norm Operation under the new virus

2020年 - 全球各地受到新型病毒衝擊，令大家重新意識到細菌病毒的嚴重性與防疫措施的重要，保障自己及他人的健康。有見及此，天比廣告引入本地公司研發的「納米固態銀離子抗菌貼膜」，應用到經常接觸的物件上，減低接觸性傳播風險。

In 2020, an outbreak of the COVID-19 impacted all sectors of the world, which makes everyone realize the seriousness of bacteria and viruses and the importance of epidemic prevention measures. Greenbase AD Limited introduced the "Nano-Antibacterial Coating Film" developed by a local institution. The film inactivates bacteria that attached on the surface with an efficiency of 99.9%. Minimizes the risk of contagious infection thus to restore normalcy to daily life.



- ◆ 提供總代理認證資料，辨別貼膜真偽
Product Certification
- ◆ 總代理 Authorized Distributor
-EDICT Limited
<https://www.edicttrade.com/>

細菌病毒無處不在
Bacteria are all around us



人皮膚表面有80%以上是細菌和病毒
Our skin surface is covered by micro-organisms
(Nearly 80% of bacteria & virus)

抗 菌 貼 膜 介 紹

Antibacterial Coating Film by VBF

技術：

通過高壓電場產生氰離子流，將納米固態銀離子沉澱積累形成一層均勻緊密的薄膜。PVD 製作過程不產生污染物，對環境無害。

Physical sputtering method deposit nano silver ions to form coating which has a fine & complex surface structure. No chemicals are used in PVD, an environmental friendly product.

功 效：

- 接觸式抗菌

Contact-type Antibacterial coating

- 殺滅及抑制細菌、病毒繁殖 (包括新型冠狀病毒)

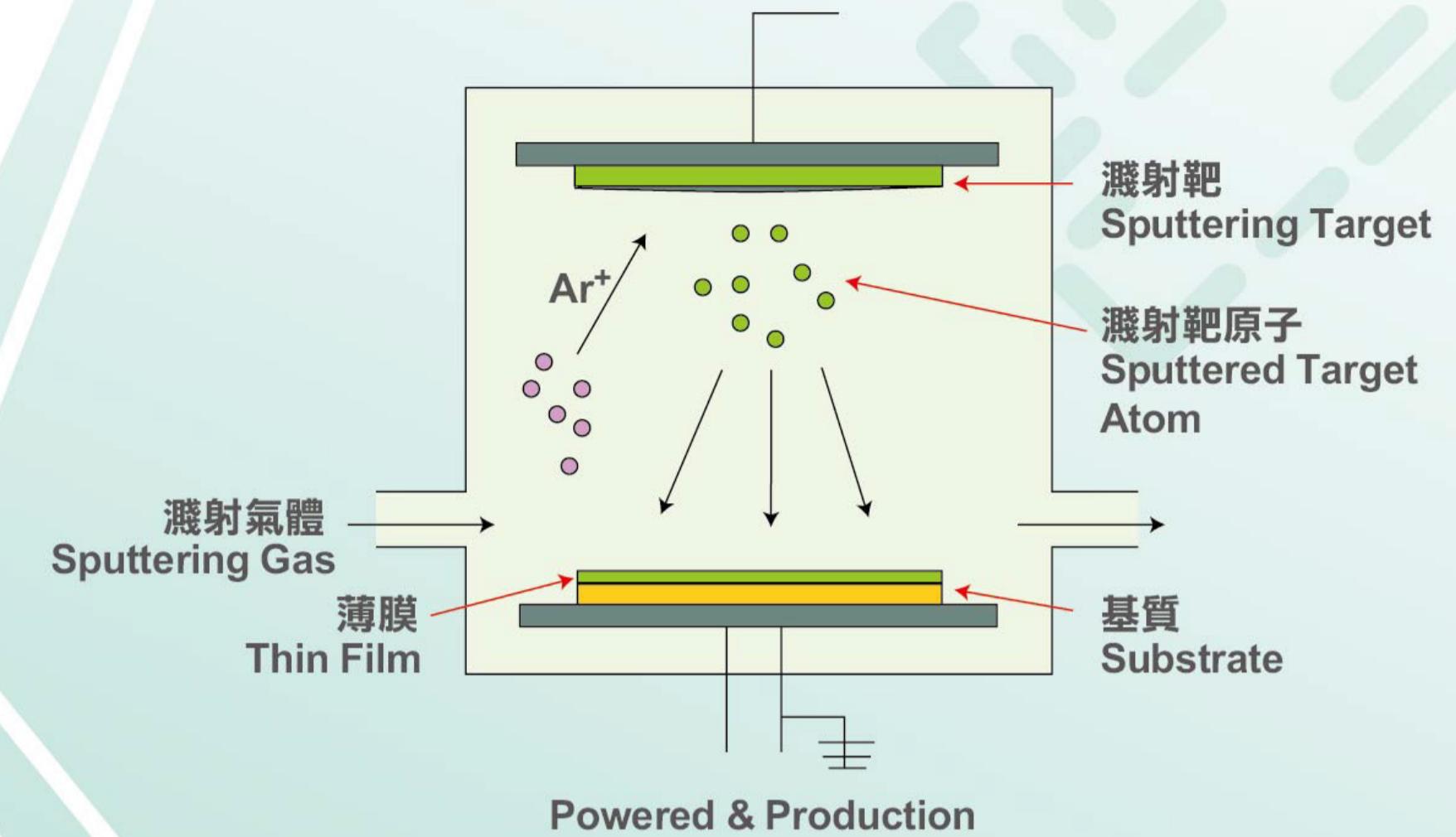
Effectively kill and prevent reproduction of bacteria & virus

- 長效保持無菌狀態

Long-lasting antibacterial protection

- 不含任何化學物料，對人體無害

No chemicals, not harm to human health



Virus Bacteria Free Technology Introduction

VB Free Technology adopts the unique patent PVD (Vacuum Physical Vapor Deposition) technology to deposit Nano-Silver on a workpiece surface under vacuum to form a coating film which enable to eliminate the bacteria and virus on the coating surface.

The key advantage of our technology is not using any chemical substance, no allergy or irritation to human body.



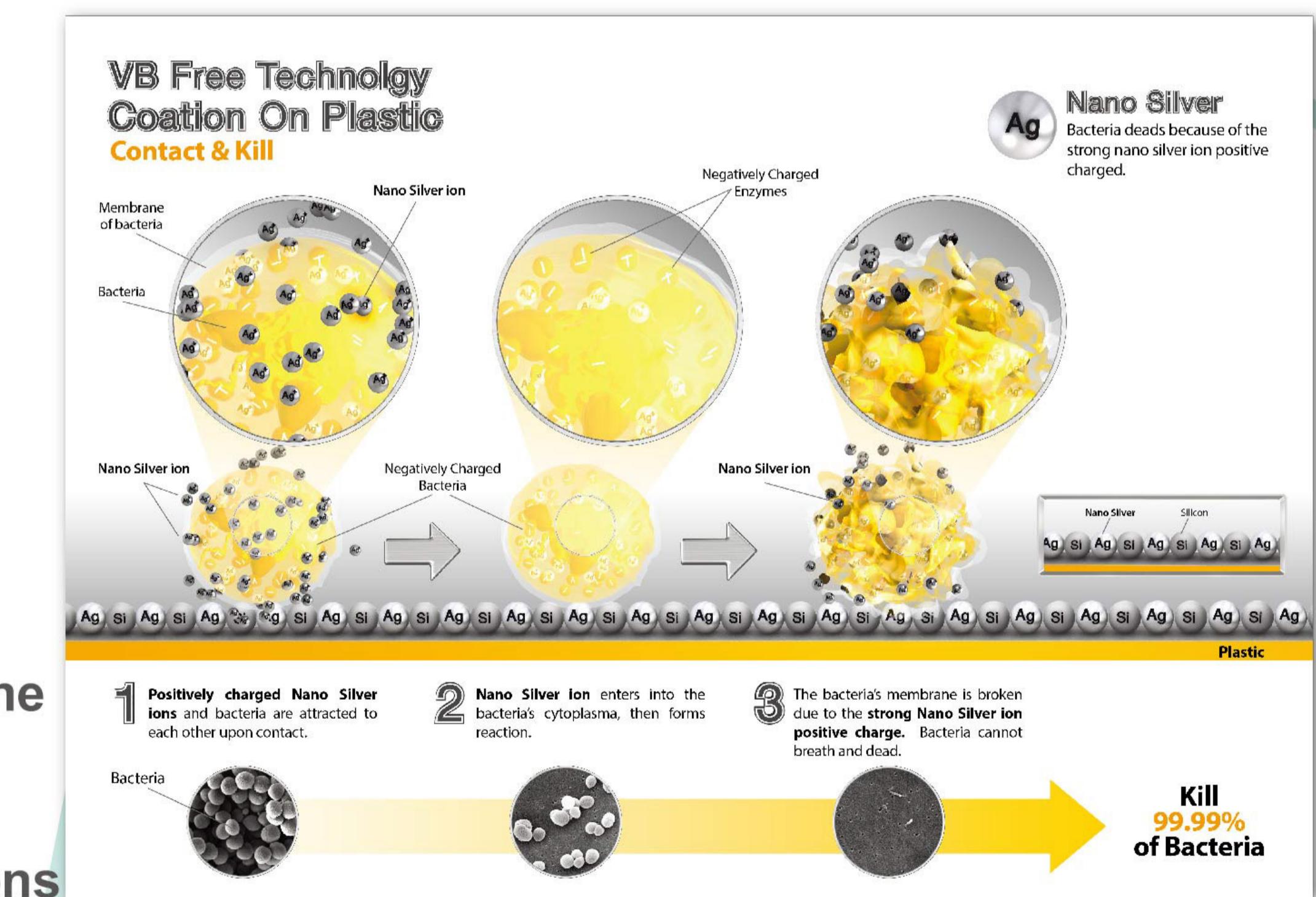
抗 菌 貼 膜 技 術

Information about Nano - Antibacterial Coating

納米固態銀離子

How it works? - Nano silver ions

- 納米銀接觸到空氣及水份會產生銀離子
Nano silver produce silver ions (solid state)
- 銀離子能殺死 650 種細菌及病毒
Silver ions effectively kill 650 bacteria & virus
- 殺菌直徑為2mm
The diameter of the sterilization capacity is 2mm
- 正離子對微生物有吸附作用，破壞細胞膜及酶令細菌死亡
Positive ions attracted and destroyed bacteria' cell membrane
- 細菌病毒不會對銀離子產生抗藥性
Bacteria & virus will not become resistant to drug of silver ions



測試報告及專利

Test Report & Patent

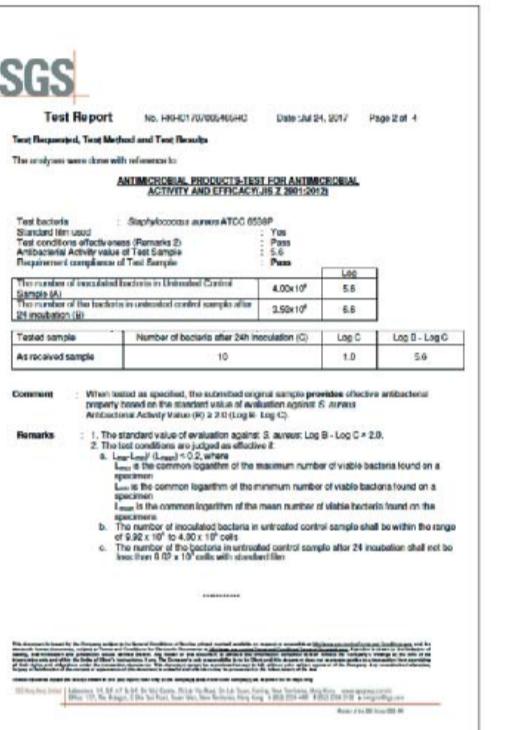
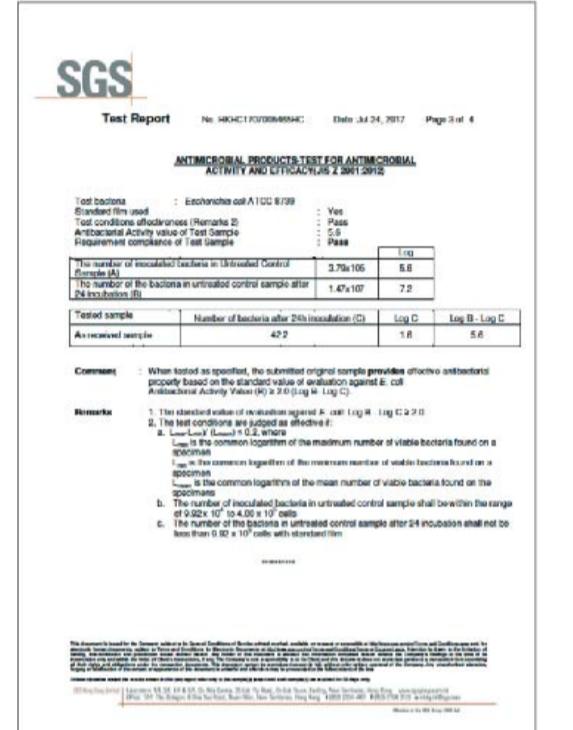
有效殺菌達致99.9% - 大腸桿菌，金黃葡萄球菌，
腸道沙門氏菌 (SGS)
Anti bacterial - Escherichia coli, Staphylococcus aureus,
EntericaSalmonella (SGS)

根據美國EPA指引，有效殺滅2019新型冠狀病毒
According to United States Environmental Protection Agency
(EPA) guidelines, it is effectively killing COVID-19
(College of Life Science, Wuhan University)

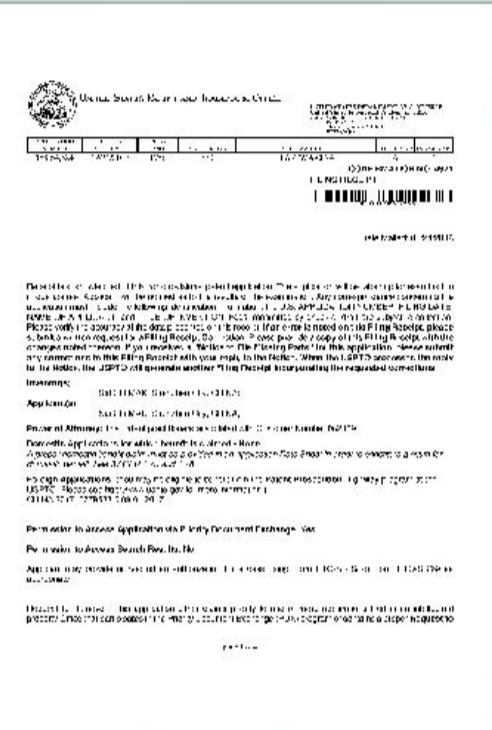
通過皮膚刺激性、敏感性及細胞毒性試驗
(中國合格評定國家認可委員會、質監局)
Approved for Skin Sensitization, Skin Irritation &
Vitro Cytotoxicity Test (CMA & CNAS)

鼠冠狀病毒是乙型冠狀病毒屬的一種病毒，是被研究最多的冠狀病毒之一。
(Mouse hepatitis virus (MHV), a group 2 coronavirus (CoV), had been the best-studied coronavirus.)

報告:

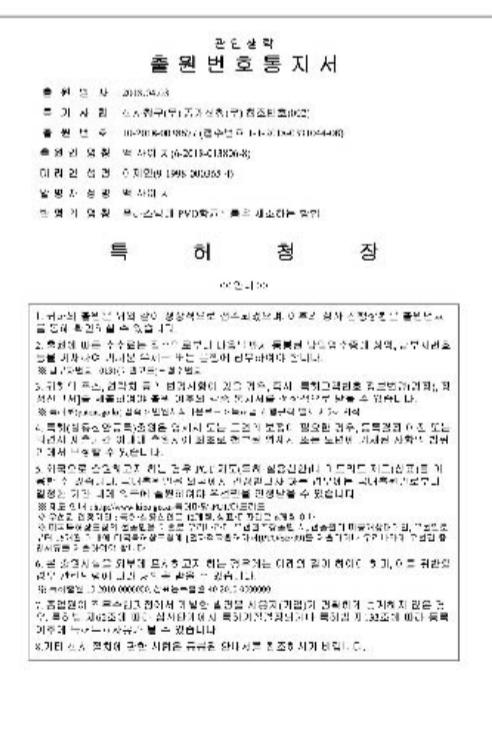
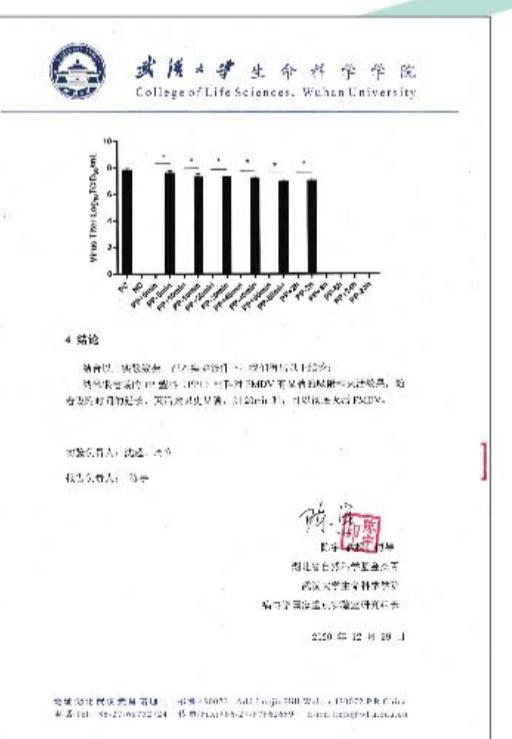
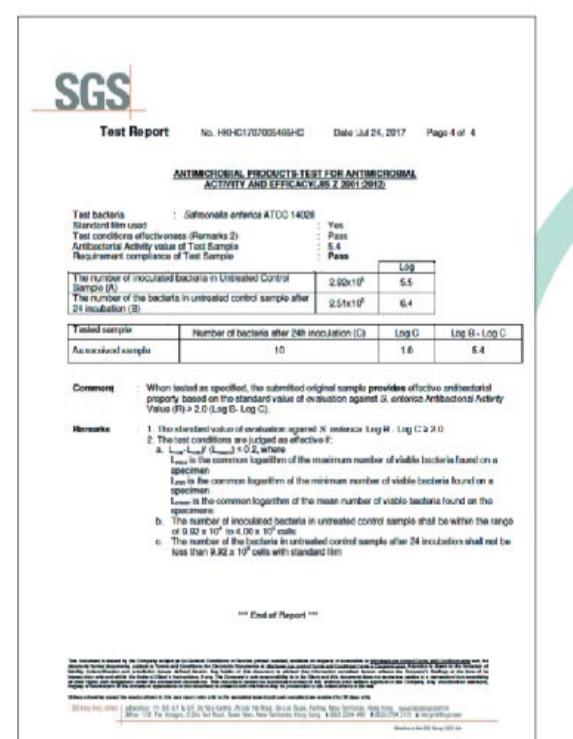


專利:



中國
CHINA

美國
U.S.A



日本
JAPAN

韓國
KOREA

抗 菌 貼 膜 應 用

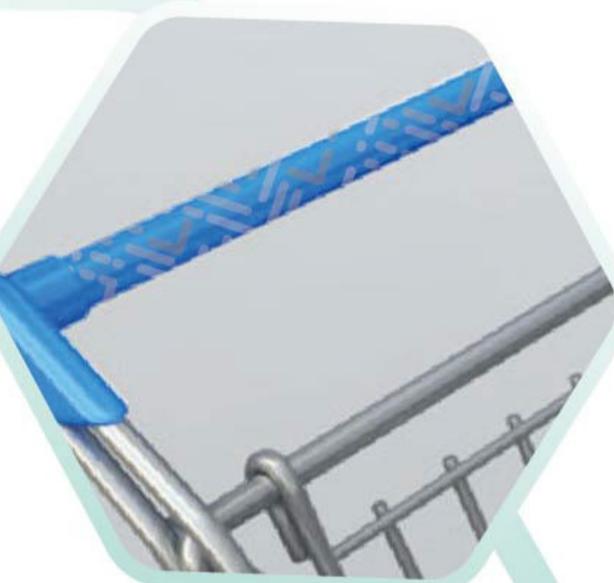
Application of Antibacterial Coating Film



- 牆、玻璃及門貼
Wall, Glass & Door Sticker



- 櫃檯及桌面抗菌貼紙
Counter & Table Sticker



- 扶手及升降機按鈕
Handrail & Elevator buttons



抗 菌 貼 膜 認 證

Product Certification



憑證識別抗菌膜 營商環境予無憂

- 客戶會獲發認證貼紙
Certification Sticker(s) will be issued follow by the installation
- 可跟據認證上的QR code資料進行查證
Users will be recorded in Authorized Distributor's website (QR code)
- 讓顧客知道商戶已安裝抗菌貼膜
Inform the public about the roles of the Antibacterial Film



抗 菌 貼 膜 有 效 期 及 保 養 、 清 潔 事 宜

Clean & Maintenance

- ◆ 抗菌有效期不少於24個月
Provide with at least 24 months ' antibacterial validity
- ◆ 清潔簡便 (可用肥皂、清潔劑及稀釋的酒精、漂白水)
Easy Cleaning (soap, detergent, diluted alcohol and bleach are preferable)
- ◆ 避免使用含高強酸及強鹼性清潔劑 (如洗銀水)
Prevent strong acidic & alkaline detergent
- ◆ 長期以硬物粗糙面摩擦會令表面變薄，縮短塗層壽命
Avoid rubbing the surface with hard objects, this would wear down the strength of coating

查詢

More Details

◆ 抗菌貼膜產品實例

Reference of Antibacterial Coating Film

http://greenbase.com.hk/GB_VBF_Job_Reference.pdf

◆ 分銷商 (天比廣告)

Distributor

<http://www.greenbase.com.hk/corp/>



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