



ANTI-VIRAL MINERAL PAINT

CATALOG

抗病毒矿物涂料

国务院指导方针 | THE STATE COUNCIL THE PEOPLE'S REPUBLIC OF CHINA GUIDELINES

在“健康中国”国家战略与“双碳”目标协同推进下，建筑装饰材料产业正加速迈入以“环境健康性能”为核心的高质量发展新阶段。国家标准《室内绿色装饰装修选材评价体系》(GB/T 39126-2020) 已将“室内环境健康改善功能”确立为关键评价指标，明确涵盖抗菌、防霉及空气净化性能，并以《抗菌涂料》(HG/T 3950) 构建技术支撑体系；《好材料选材通则》(2026年实施) 进一步以无/低VOCs及抗菌防霉能力为核心，建立分级化健康材料评价机制。

与此同时，由 中国建筑材料联合会 发布的《T/CBMF 359-2025》，系统性强化抗菌抗病毒功能材料的技术标准与应用路径，推动产业由“环保型材料”向“功能型健康材料”跃迁，形成国家标准与行业标准协同演进的制度框架。

在政策驱动与市场升级的双重作用下，人居环境正从“污染控制”走向“风险预防”，并向“主动健康防护体系”全面转型。

「康第漆抗病毒矿物涂料」依托矿物基材体系与抗病毒技术路径，对标多维标准规范，构建具备长期稳定性、主动防护性与环境友好性的空间材料解决方案，面向地产、医疗、教育等关键场景，提供可持续的健康环境。

机能建材为起点，重塑空间新维度——推动中国人居环境迈入“主动免疫时代”。

With the coordinated implementation of the national strategy of Healthy China and the Dual Carbon Goals, the building decoration materials industry is accelerating into a new stage of high-quality development centered on environmental health performance.

The national standard Indoor Green Decoration and Renovation Material Selection and Evaluation System (GB/T 39126-2020) has established indoor environmental health improvement functions as a key evaluation indicator, explicitly covering antibacterial, mildew-resistant and air-purifying properties, with Antibacterial Coatings (HG/T 3950) forming its technical support system. The General Rules for Selection of High-Quality Materials (to be implemented in 2026) further establishes a graded health material evaluation mechanism focusing on zero/low VOCs and antibacterial and mildew-resistant capabilities.

Meanwhile, T/CBMF 359-2025, issued by the China Building Materials Federation, systematically strengthens the technical standards and application pathways of antibacterial and antiviral functional materials, driving the industry to upgrade from environmentally friendly materials to functional health materials, and forming an institutional framework for the coordinated evolution of national and industrial standards.

Driven by both policies and market upgrading, the living environment is shifting from pollution control to risk prevention, and undergoing a comprehensive transformation toward an active health protection system.

Based on a mineral substrate system and antiviral technology, Continental Coatings Anti-Viral Mineral Paint complies with multi-dimensional standards and regulations, providing spatial material solutions with long-term stability, active protection and environmental friendliness. It delivers sustainable healthy environments for key sectors including real estate, healthcare and education.

Starting from functional building materials, we reshape new dimensions of space — driving China's living environment into the Active Immunity Era.



康第 抗病毒矿物涂料 | Continental Coatings Anti-Viral Mineral Paint



产品介绍 | PRODUCT INTRODUCTION

抗病毒矿物涂料透过病毒附着在纳米孔隙中,其成分可抑制病毒活性,达到病毒和细菌立即快速死亡的效果。本产品具备抗病毒、抗菌与防霉三重效果,经检测证实可有效阻抗人冠状病毒、肠道病毒71型、新冠病毒、猫杯状病毒、甲型流感病毒,拥有卓越防护性能,并通过重金属安全检测,不含塑化剂,未检出挥发性有机物(VOC),环境友善无负担。

Viruses attach to the nanomaterial's pores, where its ingredients inhibit viral activity, resulting in the immediate and rapid destruction of viruses and bacteria. Testing has proven its effectiveness against HCoV-229, Enterovirus 71, SARS-CoV-2, ATCC VR-782, H1N1 and H3N2. It offers exceptional protection and has passed heavy metal safety testing. It contains no plasticizers and no volatile organic compounds (VOCs).



抗病矿物毒涂料「金盾」认证标志

专为每一个采用康第抗病毒矿物涂料的竣工项目量身定制,是工程的荣誉认证,也是看不见的健康守护者,以实体铭牌兑现“健康人居”的承诺。

精致的护盾造型与拉丝工艺,不仅彰显工程的卓越品质,更能与环境建筑融为一体,成为空间内一道独特的“健康风景线”

Certified Logo of Anti-Viral Mineral Paint "Golden Shield"

Exclusively customized for every completed project using Continental Coatings Anti-Viral Mineral Paint, it is an honorary certification for the project and an invisible guardian of health, fulfilling the promise of "healthy living spaces" with a physical nameplate.

Featuring an exquisite shield design and brushed finish, it not only highlights the superior quality of the project but also integrates harmoniously with the building environment, becoming a unique "healthy landscape" within the space.

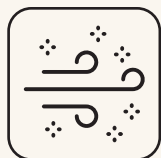
特点 | FEATURES

**I-O hybrid 技术 专利抗病毒配方**

漆膜富含碱性微孔, 可吸附病菌并破坏病菌的蛋白质或遗传物质结构, 抑制病毒活性, 达到抗病毒和抗菌的功效。

Patented Antiviral Formula with I-O Hybrid Technology

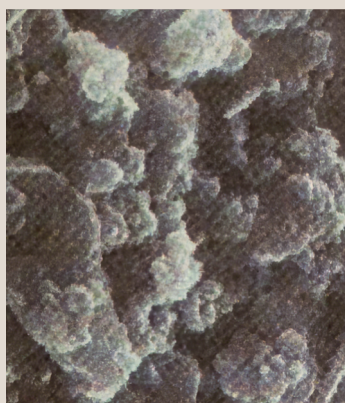
The coating features an alkaline microporous structure that adsorbs viruses and disrupts their protein or genetic structures, thereby inhibiting viral activity and delivering antiviral and antibacterial performance.

**采用纳米级矿物 维持空气高品质**

不含甲醛、塑化剂、铜、银等重金属, 挥发性有机化合物 (VOC) 含量趋近于零, 维持室内健康环境。

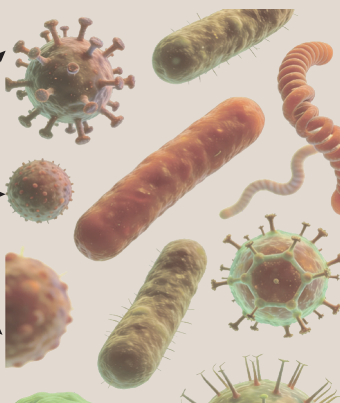
Formulated with nano-scale minerals to help maintain air quality

Free from formaldehyde, plasticizers, and heavy metals such as copper and silver, with VOC levels approaching zero to help maintain a healthy indoor environment.



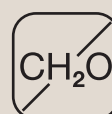
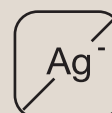
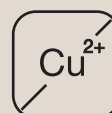
漆膜富含碱性微孔, 可吸附病菌

The coating features an alkaline microporous structure.



破坏病菌的蛋白质或遗传物质结构

Adsorbs them and disrupts their protein or genetic structures.



不含甲醛、铜、银离子等重金属, 挥发性有机化合物趋近于零

This coating is free of formaldehyde, plasticizers, and heavy metal ions such as copper and silver. Its VOC content is close to zero.

**独家的造漆工艺 涂装后即可入住**

漆膜透气性佳, 使墙面不容易反潮、起鼓、剥落、结露。

Exclusive coating technology for immediate occupancy after application

The coating offers excellent breathability, helping reduce moisture buildup and minimizing issues such as blistering, peeling, and condensation on wall surfaces.

**国家级检测报告 抗病毒抗菌专家**

- 1.通过国际ISO21702抗病毒测试, 对新冠病毒SARS-CoV-2, 甲型流感病毒H3N2, 及猫杯状病毒等具抗病毒效果。
- 2.符合T/GDTL 01-2020及T/CNCIA03002-2020标准, 对肠道病毒71型、人冠状病毒229E具有抗病毒及耐久性能。
- 3.通过日本JIS Z 2801抗菌以及JIS Z 991防霉测试。

Nationally Certified Test Reports · Antiviral & Antibacterial

- 1.Tested in accordance with ISO 21702 antiviral standards, demonstrating antiviral activity against SARS-CoV-2, H3N2 / H1N1, and ATCC VR-782.
- 2.Compliant with T/GDTL 01-2020 and T/CNCIA 03002-2020 standards, exhibiting antiviral activity and durability performance against Enterovirus 71 and HCoV-229E.
- 3.Successfully passed antibacterial testing under JIS Z 2801 and anti-mold testing under JIS Z 2911 (Japan).



可應用於家居生活環境、医疗养护中心、公共商业空間、特殊无菌环境。

Can be applied to home living environments, medical care centers, public commercial spaces, and special sterile environments.



康第漆 产品研发测试实验室, 持续以创新科技为驱动, 为消费者研发优质的涂装产品。

Continental Coatings Product Development and Testing Laboratory. Continuously driven by innovative technology, we develop high-quality coating products for consumers.

检测认证 | TESTING & CERTIFICATION

有效阻抗病毒 Anti-viral

- 人冠状病毒 (HCoV-229E)
- 肠道病毒71型 (Enterovirus 71)
- 新冠病毒 (SARS-CoV-2)
- 猫杯状病毒 (ATCC VR-782)
- 甲型流感病毒 (H3N2 / H1N1)

通过 T/CNCIA 03002-2020 检测

通过 T/GDTL 011-2020 检测

经 ISO 21702 : 2019 检测

经 ISO 21702 : 2019 检测

经 ISO 21702 : 2019 检测

有效抵抗细菌 Anti-bacterial

- 肠道沙门氏菌 (S. enterica)
- 金黄色葡萄球菌 (S. aureus)
- 铜绿假单胞菌 (P. aeruginosa)
- 大肠杆菌 (E. coli)
- 肺炎克雷伯氏菌 (K. pneumoniae)

通过 SGS JIS Z2801 检测

通过 SGS JIS Z2801 检测

通过 SGS JIS Z2801 检测

通过 SGS JIS Z2801 检测

通过 SGS JIS Z2801 检测

防霉 Anti-mold

- 黑曲霉 (A. niger)
- 嗜松篮状菌 (C. globosum)
- 芽枝状枝孢 (C. cladosporioides)
- 出芽短梗霉 (A. pullulans)
- 绿木霉 (T. viride)

通过 JIS Z2911 检测(等级0)

通过 JIS Z2911 检测(等级0)

通过 JIS Z2911 检测(等级0)

通过 JIS Z2911 检测(等级0)

通过 JIS Z2911 检测(等级0)

其他安全性 Others

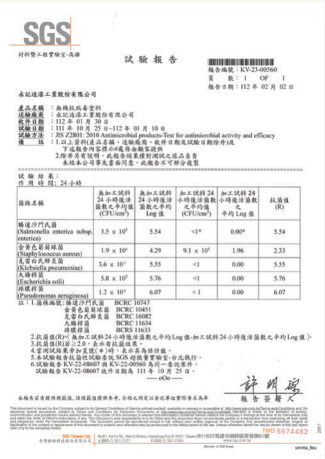
- 安全重金属含量 (Safe heavy metal content)
- 不含塑化剂 (No plasticizers)
- 调湿型涂料 (Moisture-conditioning coatings)
- 未检出挥发性有机物 (No VOC was detected)

通过 CNS4797-2 、绿建材检测

经气相层析质谱仪检测

通过 CNS 8082 A2123 检测

通过 CNS15039-2 检测



常见问题 | Q&A

1. 康第抗病毒矿物涂料的抗病毒/抗菌等防护功效, 是否有期限?

康第抗病毒矿物涂料通过高碱性、多孔结构的漆膜来吸附并破坏病毒与细菌, 使其失去活性。因此在正常室内环境、漆膜完整且干燥清洁的情况下, 其抗病毒/抗菌效果为长效型设计, 并没有特定的“到期日”。不过, 实际效果仍会受到使用环境(如脏污覆盖、化学品侵蚀、长期潮湿等)与漆膜受损程度影响。官方病毒与细菌抑制效果以实验室检验报告为依据, 并不等同医疗或治疗用途。

1. Does the antiviral/antibacterial protection of Continental Antiviral Mineral Coating expire?

The coating works by using its alkaline, porous film to adsorb and neutralize viruses and bacteria. Under normal indoor conditions with the film intact, clean, and dry, the effect is designed to be long-lasting without a set expiration date. Actual performance can be influenced by environmental factors (e.g., heavy soiling, chemical exposure, prolonged dampness) and film damage. Laboratory test reports provide the basis for the stated antiviral/bacterial efficacy, which is not intended for medical or therapeutic use.

2. 是否需要为了维持抗病毒矿物涂料效果而进行定期补刷? 建议周期是多久?

抗病毒矿物涂料的抗病毒、防霉机制来自于其无机矿物漆膜本身, 只要漆膜完整、干燥且未被严重污垢或覆盖, 理论上在一般室内住宅环境, 墙面整体翻新周期多在5年左右, 可视实际使用情况与美观需求调整, 并非为维持抗病毒效果而一定要固定补刷。

2. Is periodic recoating needed to maintain the antiviral effect? What is the recommended frequency?

The coating's antiviral and mold-resistant properties are inherent to its inorganic mineral film. If the film remains intact, dry, and free of heavy soiling, recoating is generally driven by aesthetic or wear considerations rather than functional decay. In typical indoor residential settings, a full repaint cycle is often around 5 years, adjustable based on actual conditions. No fixed recoating schedule is required solely for antiviral maintenance.

3. 抗病毒矿物涂料墙面漆膜若受损(如刮伤、裂缝、接触酸性物质), 该区域的抗病毒/抗菌效果是否会受影响?

会的。抗病毒矿物涂料的抗病毒/抗菌功能是由完整漆膜表面提供的, 若局部漆膜因机械损伤(刮伤、裂缝、撞击)或被酸性/强碱/溶剂侵蚀, 则该受损区域的功能会明显下降甚至消失。

建议处理步骤如下:

1. 先清除受损或粉化的漆膜。
2. 视需要修补基层, 待其干燥、打磨平整。
3. 在修补区域重新涂刷抗病毒矿物涂料(1-2道), 使漆膜恢复连续与完整, 抗病毒/抗菌效果即可随之恢复。

3. If the paint film of the antiviral mineral coating is damaged (e.g., scratched, cracked, or in contact with acidic substances), will the antiviral/antibacterial performance in that area be affected?

Yes. The antiviral/antibacterial effect of the coating depends on the integrity of the paint film. If the film is locally damaged by mechanical action (scratches, cracks, impact) or eroded by acidic/alkaline/solvent substances, the functionality in that area will decrease significantly or even be lost.

Recommended steps for remediation:

1. Remove the damaged or powdery coating.
2. Repair the substrate as needed, allow it to dry, and sand it smooth.
3. Reapply the antiviral mineral coating (1-2 coats) to the repaired area to restore film continuity and integrity. The antiviral/antibacterial effect will then be reinstated.

4. 若抗病毒矿物涂料不慎在施工时加入水、其他介质, 是否会影响其抗病毒功效以及质保?

抗病毒矿物涂料技术资料表明确建议使用时无需加水稀释, 直接以原液施工。

若在施工时自行加入水或其他介质:

- 可能导致漆膜厚度不足、孔隙结构改变, 进而影响抗病毒/抗菌与防护效果。
- 亦可能造成遮盖力不足、附着力下降等质量问题。

因此原则上不建议任何未经原厂确认的稀释或混合。(此类加工行为不在原厂质量保证与质保范围内)

4. If water or other media are accidentally added to the antiviral mineral coating during application, will it affect the antiviral performance and warranty?

The technical data sheet specifies that the coating should be applied as supplied, without dilution.

If water or other media are added during application:

- It may lead to insufficient film thickness, altered pore structure, and reduced antiviral/antibacterial and protective performance.
- It may also cause issues such as poor opacity and weakened adhesion.

Therefore, any dilution or mixing not approved by the manufacturer is strongly discouraged. Such modifications are not covered under the manufacturer's quality assurance or warranty.

公司介紹 | COMPANY INTRODUCTION

CONTINENTAL COATINGS 康第漆成立于 1978 年美国加州, 始终以「安全与健康」作为研发核心。我们在美国、中国、台湾、东南亚设有研发与生产基地, 专注打造具全球专利的高性能涂料。产品具备优异耐候性, 并研发通过国际认证的抗病毒、抗菌涂料, 全程不含甲醛与重金属。符合环保法规与 CCC 认证, 落实 ESG 与 SDGS, 以创新科技打造健康、永续又有美感的居住空间。

CONTINENTAL COATINGS was founded in California, USA, in 1978, with safety and health as the core of its research and development philosophy. With R&D and manufacturing facilities across the United States, China, Taiwan, and Southeast Asia, the company focuses on delivering globally patented, high-performance coatings. Its products offer excellent weather resistance and include internationally certified antiviral and antibacterial coatings, formulated without formaldehyde or heavy metals. Fully compliant with environmental regulations and CCC certification, Continental Coatings upholds ESG and SDGs, leveraging innovative technology to create healthy, sustainable, and aesthetically refined living environments.



产品名称 Product	抗病毒矿物涂料 Anti-Viral Mineral Paint	
规格 Gallon	1加仑(约3.785公升) 1GAL (about 3.785L)	
颜色 Color	白色 White	
光泽度 Finish	哑光 Matte	
遮盖能力 Coverage	12.5 m ² /L 以上 Above 12.5 m ² /L	
比重 Relative density	1.4 kg/L 以上 Above 1.4 kg/L	
黏度 Viscosity	90~105 KU(25°C)	
理论涂布 Theoretical Coverage	39.7 m ² /GAL 10.5 m ² /L 因颜色深浅不同而会有所差异 There may be differences due to varying shades of color.	
漆膜厚度 Paint film thickness	湿膜 90μ (Micron) 干膜 40μ (Micron) Wet film 90μ (Micron) Dry film 40μ (Micron)	
干燥时间 Drying time	指触 1/2 小时以内 坚结 2 小时以内 (25°C) Touch set within 1/2 hour, hard set within 2 hours (25°C)	
涂装间隔 Coating interval	最少 6 小时 At least 6 hours	
涂装方法 Application	喷涂(无气喷涂机)、滚涂 Spraying (airless sprayer), rolling	
调薄剂 Paint thinner	自来水 Tap water	
调薄剂量 Amount of thinner	使用时不需加水稀释直接以原液施工 No need to dilute with water when using; apply directly in its original solution	
适用底漆 Primer	未稀释之抗病毒矿物涂料施工 Apply with anti-viral mineral paint	
不挥发物 Non-volatile substance	50%以上 Above 50%	
贮藏时间 Storage time	正常情况下, 至少 2 年 Under normal circumstances, at least 2 years	

成分 Ingredient

以特殊水性无机聚合物为主要成分, 配合天然矿石原料及添加剂精制而成的无机矿物涂料。

An inorganic mineral coating formulated primarily with a specialized water-based inorganic polymer, refined with natural mineral materials and functional additives.

特性 Features

透过碱性漆膜的纳米级矿物微孔, 吸附病毒细菌并破坏病毒蛋白和遗传物质结构, 使病毒细菌失去活性。The coating features an alkaline microporous structure that adsorbs viruses and disrupts their protein or genetic structures, thereby inhibiting viral activity and delivering antiviral and antibacterial performance.

涂料无甲醛、无塑化剂、无铜、银等重金属离子, VOC 趋近于零, 且抗病毒功效具耐久性。

This coating is free of formaldehyde, plasticizers, and heavy metal ions such as copper and silver. Its VOC content is close to zero, and it provides long-lasting antiviral efficacy.

纳米级天然矿物, 自然孔隙使墙面保持透气不易返潮, 调节湿度。同时耐热不燃、不起烟。

Made of nanoscale natural minerals, the natural pores allow the wall to resist dampness, and regulate humidity. It is also heat-resistant, non-combustible, and smoke-free.

用途 Applications

学校、医院、酒店、住宅、办公楼、公共场所等, 防护与装饰面漆。

For hospitals, schools, hotels, residences, office buildings, public places, etc., protective and decorative topcoat.

病毒

- 新冠病毒 SARS-CoV-2
- 甲型流感病毒 H3N2 / H1N1
- 肠道病毒71型 Enterovirus 71
- 人冠状病毒 HCoV-229E
- 猫杯状病毒 ATCC VR-782

有效阻抗 Effectively against

细菌

- 肠道沙门氏菌 Salmonella enterica
- 金黄色葡萄球菌 Staphylococcus aureus
- 肺炎克雷伯氏菌 Klebsiella pneumoniae
- 大肠杆菌 Escherichia coli
- 铜绿假单胞菌 Pseudomonas aeruginosa

被涂物表面之油脂、灰尘及其他附着污物清除干净才可施工。
The grease, dust, and other attached dirt on the surface to be coated must be thoroughly cleaned before construction.

最佳施工界面为矽酸钙板、水泥粉光面等无机底材, 如有其他底材需求请洽询业务人员切勿自行施工。

The best construction interface is inorganic substrates such as calcium silicate board and cement plastered surfaces. If other substrate requirements exist, please consult the sales personnel and do not carry out construction on your own.

注意事项 Please note

新水泥墙须等完全干燥后, 水份值12%以下, 才可施工。
New cement walls must wait until completely dry, with a moisture content below 12%, before construction can proceed.



康第漆



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