

SK VirusCare

Anti-virus / Bacteria Paint for Interior

Product Description:

SK VIRUS CARE is specially formulated with antiviral and antibacterial properties for interior wall. It is also easy to apply and forms a smooth, tough paint film which has excellent washability, durability, fungus & mould resistance properties.

Product Features:

- Effective anti-bacterial and anti-viral properties.
- Excellent mould, fungus and algae resistance.
- Its forms a tough films which as excellent washability and abrasion resistance.
- It prevents stain penetrating through the film and dirt can be easily removed from the surface.
- Strong adhesion onto substrate.
- Environmental-friendly and odourless.
- Easy workability and dries quickly.
- Highly resistant to contamination.
- High opacity thus leads to an excellent hiding power.

Recommended Uses:

- Interior of hospitals, clinics and other medical facilities
- Interior of public facilities such as schools, daycare centers and kindergartens
- Interior of restaurants, cafeteria and dining halls.
- Interior of hotels and private residential apartments.
- Interior of nursing homes and homes for the aged.

(Interior applications include usage on ceilings, skirting, doors and walls.)

<Suitable substrate>

For prime surfaces of concrete, mortar, plaster, masonry, brickworks, hard and soft board, etc.

Recommended Paint System

Type of Substrate:

FOR MASONRY

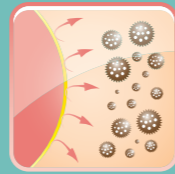
Sequence	Product Name	No. of Coats
1) Sealer	HP Sealer	1
2) Topcoat	SK Virus Care	2

Standard Packing:

1L / can, 5L / can, 15L / can



Features:



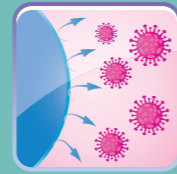
Anti-fungus



Anti-algae



Anti-bacteria



Anti-virus



Low VOC 1%



Good workability

Application:



Spray On



Brush On



Roll On



SIRIM
ECO-LABEL
Low VOC
License No: ELS0995001

SK KAKEN (M) SDN BHD (101539-H)
SK COATINGS SDN BHD (399683-A)
Suite13.01, Level 13, Centrepont South,
The Boulevard Mid Valley City,
Lingkar Syed Putra, 59200 Kuala Lumpur
Tel: 603-2282 9800 Fax: 603-2282 9810
Website: www.skk.com.my



エスケー化研株式会社
JAPAN

SK VirusCare

Anti-virus / Bacteria Paint for Interior



- Anti Virus
- Anti Bacterial
- Anti Fungus
- Washability





Indoor infection is a social problem now...

- Today, our housing condition is providing indoor environments to breed micro-organisms such as mould, fungus, algae, etc. which cause influence to human bodies.
- SKK innovative technologies are bringing anti-virus properties to paint. SK Virus Care are offering easy solution for extra protection and peace of mind in our homes, workspaces and other public places. Together, let's combat the pandemic.

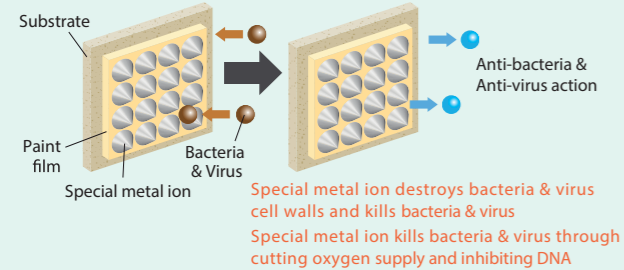
Anti-bacterial & Anti-virus Mechanism

1 Anti-Bacterial & Anti-Virus Action from Contact with Special Metal Ion

SK VirusCare forms a complex body of a metal based anti-bacterial & anti-virus agent and an organic agent, providing resistance to various types of micro-organisms, moulds and fungus, etc.

Anti-bacteria & Anti-virus action by special metal ion

Special metal ion antimicrobial agent kills bacteria & virus in the area where photocatalyst cannot work.

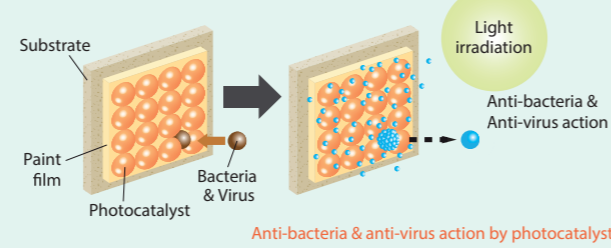


Special metal ions of SK VirusCare bond with its cell membrane of protein and damage the structure and inhibit the function in a short period of time. Furthermore those ions go inside cells, inhibit oxygen of electronic transmission, react with DNA, and inhibit its function.

2 Anti-Bacterial & Anti-Virus Action by Activated Oxygen

Anti-bacteria & Anti-virus action by photocatalyst

Photocatalyst inactivates bacteria & virus under visible light.



Once special metal of SK VirusCare is exposed to light (visible rays), radical is released and activates oxygen. This activated oxygen inhibits metabolic function of cells.

3 Anti-Bacterial & Anti-Virus Action of Organic Agent

By reaction of water (vapour) on the film of SK VirusCare anti-bacterial & anti-virus function is activated and propagation of bacteria & virus is inhibited. It also resists mould, fungus and yeast.

Product specification:

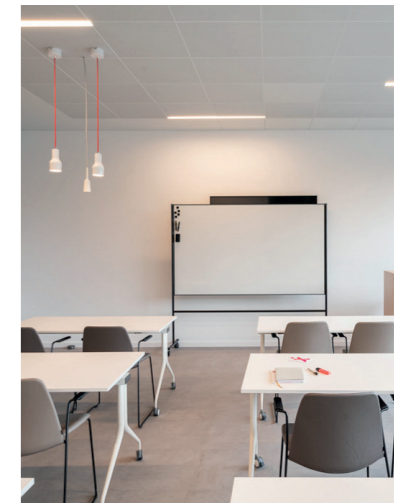
Product	SK VirusCare Anti-virus / Bacteria Paint for Interior
Green Product Certificate	Yes (Eco Label)
Finishing	Low Sheen
Anti-Virus Effect	Effective (Tested using H3N2 flu)
OTHER FUNCTIONAL BANEFITS	
Anti-Bacteria	Yes (Staphylococcus aureus, Bacillus coli, Pseudomonas aeruginosa, Candida)
Anti-Fungal	Yes
Low Orour & Low VOC	Yes
Stain Repellent	Yes
Washability	Yes
Long Lasting Colour	Yes



Excellent Anti-Virus Effects (Plaque Assay)

	Conventional Emulsion Paint	SK VirusCare
Influenza A (H3N2)		
Virus reduction After 24hrs (%)	0 (As standard)	96.0

This is to show the anti-virus effect on a typical panel painted with conventional paint and SK VirusCare. Test method: BS ISO 21702 (2019)

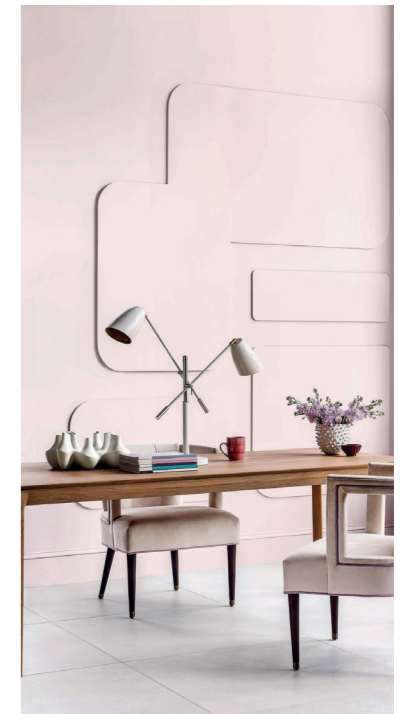


Excellent Anti-bacteria Effects

Anti-bacteria effect (HALO test)

	Staphylococcus aureus	Bacillus coli	Pseudomonas aeruginosa	Candida
SK VirusCare				
Conventional Emulsion Paint				

This is to show the anti-bacterial effect on a typical panel painted with SK VirusCare. Test method: JIS Z 2801 (2000)



Performance Test Result:

Test Item	SK VirusCare	Test condition
	Low sheen	
Condition in container	Passed	When being stirred, it makes uniform condition without any hard lumps.
Drying Time	20°C	Passed 2 hours max
	5°C	Passed 4 hours max
Appearance of paint film	Passed	Film has normal appearance.
Alkali resistance	Passed	More than 65% gloss retention after 48 hours immersion: no abnormalities on film surface.
Resistance against repeated wetting, warming and cooling actions	Passed	More than 80% gloss retention : no abnormalities on film surface.
Opacity (white and light colour)	0.97	0.95 min.
Specular gloss	8-9	Gloss finish: Min.70, Satin finish: 20-40, Matt&Low sheen finish: Max.10
Low temperature stability (-5°C)	Passed	No deterioration.
Application properties	Passed	No application difficulties, when applied twice.
Water resistance	Passed	More than 80% gloss retention after 96 hours immersion: no abnormalities on film surface.
Wet scrub resistance	Passed	Must pass 500 cycles.