

PP film Antiviral/Antibacterial Finish and Antibacterial Finish

TOPPAN
Antiviral
Antibacterial



1 Certified by SIAA!
To provide safe, reassuring,
and comfortable spaces

2 Antiviral/Antibacterial Finish and
Antibacterial Finish. Choose from
two performance options in our lineup

● We offer a PP film lineup with two performance options: Antiviral/Antibacterial Finish and Antibacterial Finish.

I : Antiviral/Antibacterial Finish

Viruses

Do not have cells. Proliferate by invading the cells of human bodies or other organisms. Approximately 0.02–0.3 μm in size.

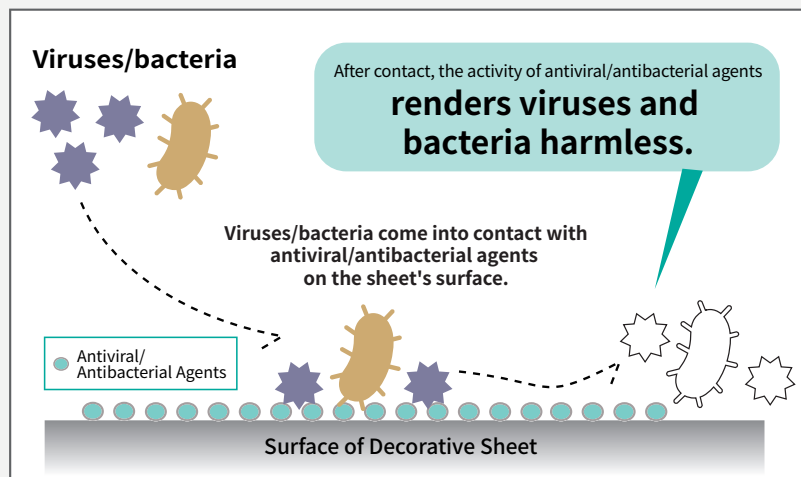
Bacteria

Unicellular organisms. Grow in nutrient-rich conditions. Approximately 1–10 μm in size.

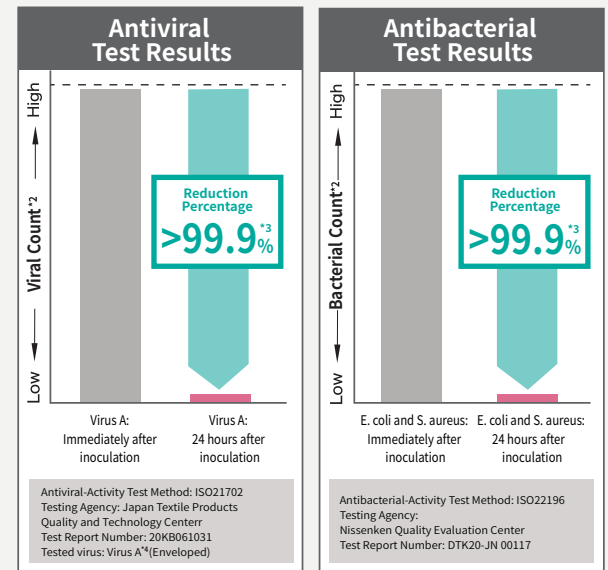
Suitable for preventing growth of both viruses and bacteria, which vary in size and proliferate through different mechanisms.



★ Schematic Illustration of the Antiviral/Antibacterial Finish



★ Antiviral/Antibacterial Test Results¹



¹ Test results are provided as an example only, not to be used to guarantee performance.
² "Viral count" and "bacterial count" are used in place of sharing detailed information prohibited by the Pharmaceuticals and Medical Devices Act.
³ Calculated by our company from the result data in the test report.
⁴ Due to the Pharmaceuticals and Medical Devices Act (Act on Ensuring Quality, Efficacy, and Safety of Pharmaceuticals and Medical Devices), the virus cannot be specified and therefore is identified as "Virus A" in this document.

II : Antibacterial Finish

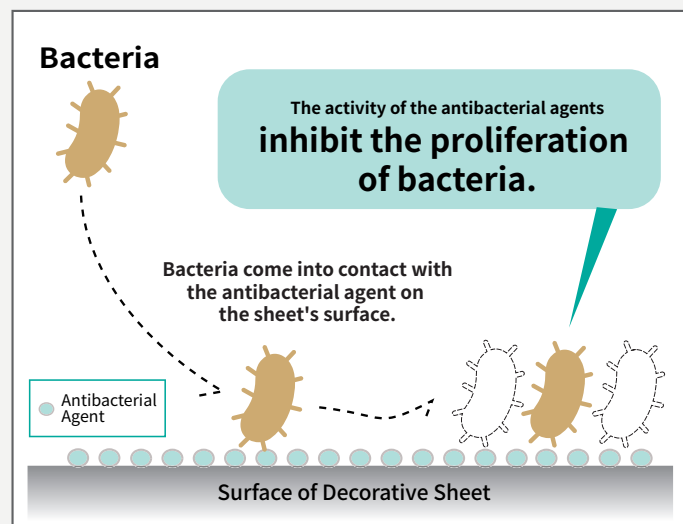
Bacteria

Unicellular organisms. Grow in nutrient-rich conditions. Approximately 1–10 μm in size.

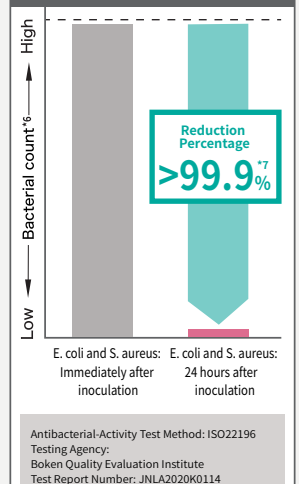
Suitable for reliable prevention of bacteria growth.



★ Schematic Illustration of the Antibacterial Finish



Antibacterial Test Results⁵



⁵ Test results are provided as an example only, not to be used to guarantee performance.
⁶ "Bacterial count" is used in place of sharing detailed information prohibited by the Pharmaceuticals and Medical Devices Act.
⁷ Calculated by our company from the result data in the test report.

Technical Information

Toppan's PP Foil

The flexible characteristics of Toppan's PP foil make the product suitable for a wide range of processing methods, including miter folding, flat lamination, profile wrapping and extrusion lamination. The addition of a rigid substance to the top coat provides resistance against scratching from hard substances. The top coat also contains a water- and oil-repelling substance that prevents contamination (liquid) on the surface from spreading and makes it simple to remove any stain with a quick wipe.

■ Applications

Louvers (Fortina), Furniture, Cabinets, Wall Panels, Interior Fittings, Store Fixtures

■ Sales Territories

The sales territories are currently limited to Asia, Oceania, and the Middle East due to EPA and BPR regulations.

■ Specifications

Width: 1,260mm
Roll: 250m

I : Antiviral/Antibacterial Finish

Waterproof and Light fastness

Tests to assess the sustainability of antiviral and antibacterial performance against water and light. Product conforms to the SIAA-prescribed sustainability test

■ Antivirus Performance (Test Based on ISO21702)

TEST RESULTS		
Waterproof	Influenza virus Antiviral Activity Value	2.7
	Feline calicivirus Antiviral Activity Value	—
Light Fastness	Influenza virus Antiviral Activity Value	≧3.4
	Feline calicivirus Antiviral Activity Value	—

Testing Agency: Japan Textile Products Quality and Technology Center
Test Report Number: 20KB061031

■ Antibacteria Performance (Test Based on ISO22196)

TEST RESULTS		
Waterproof	Escherichia coli Antimicrobial Activity Value	>6.1
	Staphylococcus aureus Antimicrobial Activity Value	>3.4
Light Fastness	Escherichia coli Antimicrobial Activity Value	>6.0
	Staphylococcus aureus Antimicrobial Activity Value	>3.6

Testing Agency: Nissenken Quality Evaluation Center
Test Report Number: DTK20-JN 00117

II : Antibacterial Finish

■ Antibacteria Performance (Test Based on ISO22196)

TEST RESULTS		
Water proof	Escherichia coli Antimicrobial Activity Value	6.2
	Staphylococcus aureus Antimicrobial Activity Value	4.4
Light Fastness	Escherichia coli Antimicrobial Activity Value	6.1
	Staphylococcus aureus Antimicrobial Activity Value	4.2

Testing Agency: Boken Quality Evaluation Institute
Test Report Number: JNLA2020K0114

■ The Certificates



I : Antiviral/Antibacterial Finish



the SIAA brand mark is borne on products evaluated according to ISO 21702 and they are under quality control and information disclosure by the guidelines of the Society of International sustaining growth for Antimicrobial Articles.
It can reduce the number of specific viruses on the product.
The antiviral surface treatment does not aim to cure or prevent viral diseases. It conforms to SIAA's safety requirements.



the SIAA brand mark is borne on products evaluated according to ISO 22196 and they are under quality control and information disclosure by the guidelines of the Society of International sustaining growth for Antimicrobial Articles.

II : Antibacterial Finish



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