

FCL Components Touch Panels

Feather Touch - Clean Life

Antibacterial & Antiviral

Overview

FCL Components' 4-wires resistive touch panels with antibacterial and antiviral functionality reduce the growth of bacteria and the amount of viruses on panels' surfaces. This is achieved by either adding a coated film over the touch panel's surface, or using an ITO film coating with added functionality coated on the surface.

The panels are suitable for a variety of applications, such as medical, hospitality (POS terminals, food processing, restaurants), kiosks, or office equipment.

Reduces growth of bacteria and amount of viruses on panels' surfaces

Use of functional films which comply with ISO22196 (antibacterial) and ISO21702 (antiviral), suppress the growth rate of bacteria after 24 hours*1 below 1/100 compared to non-antibacterial functional films. Similarly, the amount of viruses is reduced by 1/100 when using panels with the new ITO functional film.

2 available structures

- (1) Adding an antibacterial film coat on the touch panel
 - (2) Using an antibacterial and antiviral ITO film on the surface.
- Please refer to figure 1 below.

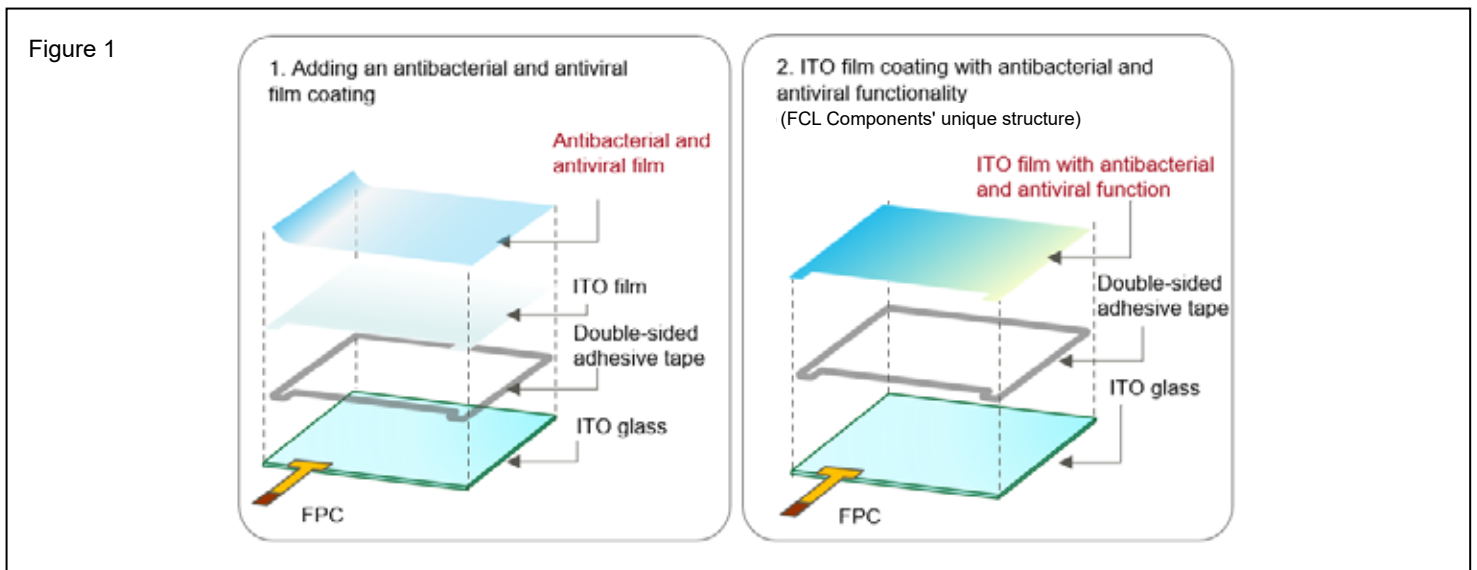
Option to add SIAA mark

For ITO film type panels you may display SIAA marks on your products.

Note *1: It does not kill or reduce the amount of bacteria/viruses.



■ Structure of Touch Panels



■ Specifications

Item	(1) RTP with antibacterial & antiviral film coat	(2) RTP with antibacterial and antiviral ITO film
Transparency		80% typical
Surface		Anti-glare
Input Force	0.05 to 1 N	0.02 to 1 N
Antimicrobial properties		2.0 or more
Antiviral properties		2.0 or more
Size	Please contact sales	up to 22-inches
Operating temperature		-5°C to +60°C, 20% RH to 90% RH
Storage temperature		-30°C to +70°C, 20% RH to 90% RH
SIAA certification (film)	Certified SIAA film	ISO22196: antibacterial: JP0123259X0001E certified ISO21702: antiviral: JP0613259X0001I certified

■ Anti-bacterial / Anti-virus Performance (ISO22196 / ISO21702 test results)

Type of bacteria/virus	Antimicrobial/antiviral properties	Results
Staphylococcus aureus	>3.0	Conformed
E. coli	>3.0	(Target antimicrobial properties: ≥2.0)
Non-enveloped virus	>3.0	Conformed
Enveloped virus	>3.0	(Target antiviral properties: ≥2.0)

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