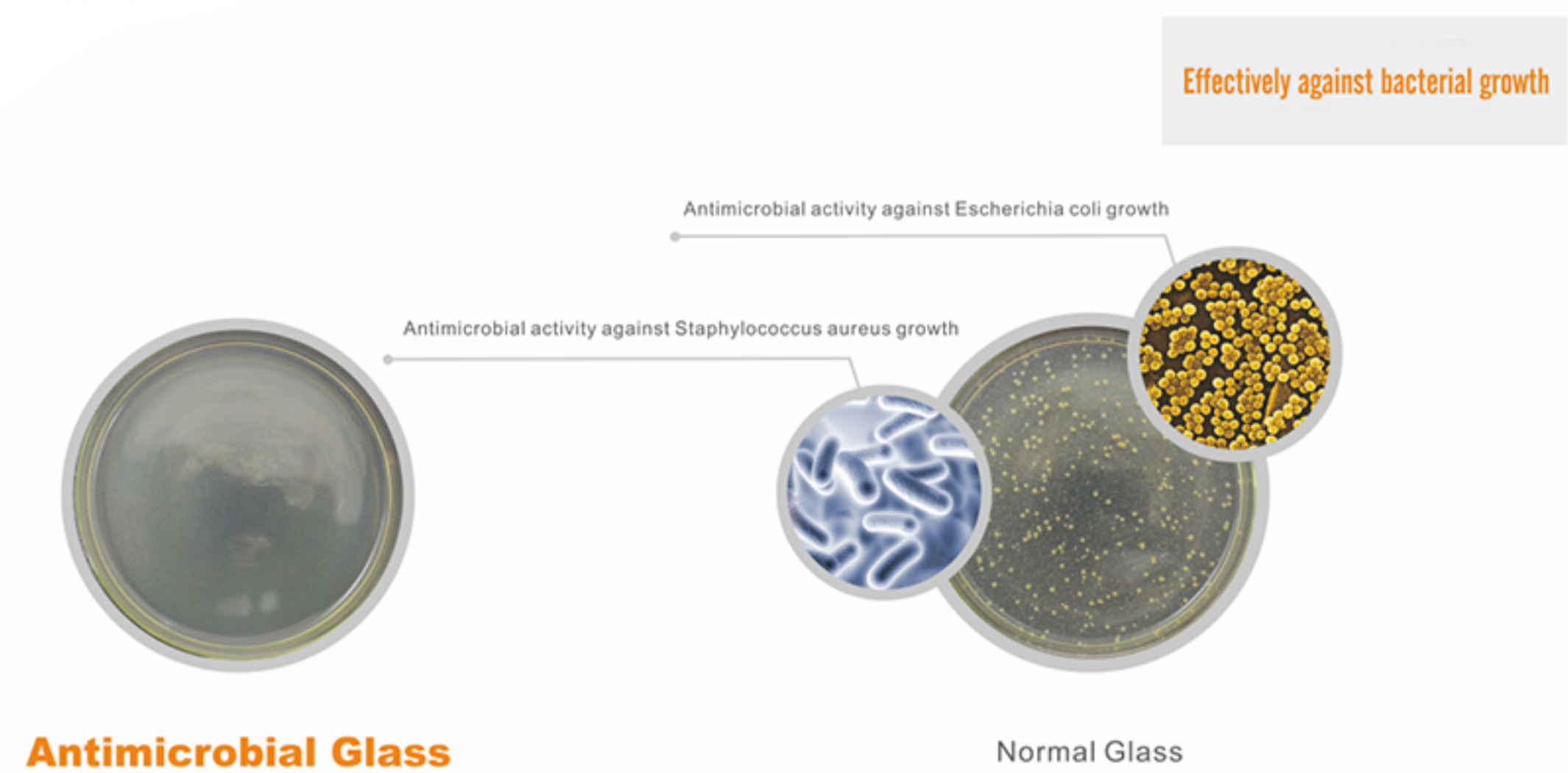


Antimicrobial Glass

Similar to chemical strengthening process, Antimicrobial glass uses ion exchanged mechanism to implant Ag⁺ and Cu⁺ into glass surface. The silver ions react with the bacteria, destroying their cell walls, which leads to the death of bacteria and makes them unable to reproduce.

That antimicrobial function will not be easily removed by external factors and it effects for a longer lifetime usage. According to the standard JIS Z 2801, the antibacterial validity period can be as long as 2 years.

Custom sizes and shapes are available.
Biggest Size: 32'' Thickness: 0.33~4.0mm
Glass Material: Aluminosilicate Glass, Soda Lime Glass



Antimicrobial Glass Properties

Performance	Multi-Ion Exchange	Standard
Anti-Abrasion	Excellent ($\geq 100,000$ times)	JIS Z 2801
Anti-Bacteria Coverage	Silver and copper correspond to a wide range of bacteria.	
Anti-Bacteria Index	>99.0%	
Surface Activity (R)	>2.0	
Heat Resistance	600°C	
Available Glass Material	Aluminosilicate Glass, Soda Lime Glass, etc.	

Certification

According to the SGS test results, antimicrobial glass can inhibit the breeding of harmful bacteria such as algae, fungi, mold, etc. Its antimicrobial ability $R > 2$, antimicrobial rate is up to 99.9%, according to the standard JIS Z 2801.



Applications and solutions

As a cover glass of the touchscreen, Antimicrobial glass is widely used in medical, healthcare, smart home, transportation industries, which safeguards people's healthy life.