Densitron Antimicrobial Cover Glass Solutions

Antimicrobial Cover Glass is designed to eliminate 99% of all bacteria that forms on the surface.

Adopting inorganic antimicrobial technology, Densitron uses non-toxic metal ions with a steady long-term anti-microbial effect.

These antimicrobial ions and other ingredients are scattered into the coating materials, after being tempered, they are sintered onto the surface of glass substrate.

The main difference between anti-bacterial and antimicrobial substances is the types of micro-organism they act upon. Anti-bacterial products prevent the development of bacteria, whilst antimicrobial agents prevent the spread of bacteria, and fungi. This is a much broader scope of protection than the protection found in anti-bacterial products.

Metal ions adhere onto microbes and react with the sulfhydryl protease inside them. This reaction causes the protease to lose vitality and they can't reproduce, thus leading to the death of bacteria.

Please contact Densitron to discuss adding antimicrobial coating to your next shipment of display products.

Product Features

- High transmittance
- Advanced inorganic anti-microbial technique with an ultra-hard surface, ensures long-term reliability
- Can be combined with other coatings
- Air purification, anti-moulding and deodorant
- Certificated by the CMA detection with an antimicrobial rate>=99%
- Suitable for all processing of flat glass, including tempered, hot bending, and laminating
- Easy to clean

Product Applications

- Medical Displays for hospitals
- Automotive
- Broadcast
- Control Surfaces
- HMI Solutions

Component	Function	Value
Dimensions	Available thicknesses	Up to 6mm cover glass
	Densitron display sizes	5" to 21.5"
Additional Coatings	Anti-glare	Available
	Anti-reflective	Available
	Anti-smudge	Available
Optical Properties	Transmittance	Approximately 95%
	Refractive index	1.52
Mechanical Properties	Hardness	Not affected by ABG coating
Aging	Long term stability	5 years+ Guarantee
Measurement Method	Chromosomal microarray analysis	