

# Development of Aoverre® Transparent Screen Glass

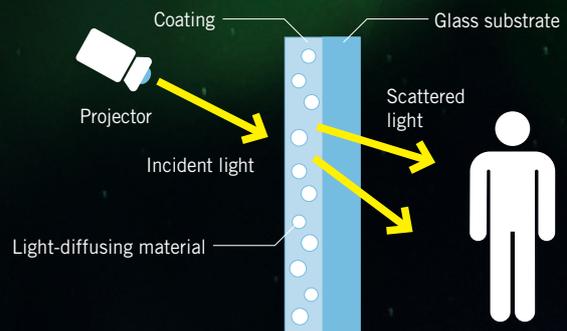
## A Social Contribution with Added Value Born from Central Glass Technology

As a material, glass offers a variety of functions in addition to admitting light and providing transparency. It can also block out heat and sound, and prevent crime and disasters. Thanks to these functions, glass is used in not just buildings and automobiles, but almost every possible application. Demand for digital signage in a variety of places including commercial facilities, stores, showrooms, and office buildings is on the rise, and expected to continue growing, particularly in Tokyo as it prepares to host the Olympics.

Under these circumstances, Central Glass developed Aoverre® jointly with Vision Development Co., Ltd. (based in Hachioji City, Tokyo), with funding from the Strategic Innovation Promotion Program of the Japan Science and Technology Agency (JST), and began selling the product in March 2017. Aoverre® is a revolutionary product consisting of glass with a transparent coating, created by dispersing diamond powder across the surface of transparent float glass. Images or written information can be displayed on the glass by using a projector, while the glass itself remains transparent. Conventionally, glass with a semi-transparent film coating is used for projecting images onto glass. Compared to film-coated glass, Aoverre® offers a greater range of viewing angles – the image retains its clarity no matter the angle from which it is viewed. Aoverre®

also displays excellent durability because the hardness of the coating is similar to that of glass. Another merit of the product is that it does not require the installation of LCDs, or pasting of posters or cutting sheets onto the glass surface.

The use of Aoverre® in a wide range of applications will allow Central Glass to contribute to an information-driven society. We will continue to advance R&D aimed at increasing the added value of glass.



### Sample application of Aoverre®



\*The image above is for illustrative purposes, and may differ from the actual product.

### VOICE

#### About the Development of Aoverre®

Aoverre® is a new product that Central Glass developed by concentrating all of its expertise in the area of functional glass coatings. Because functional glass requires a high-quality appearance in addition to performance, it is very important to optimize the selection of materials and the method of coating in order to satisfy both requirements. My goal is to continue to find ways to improve the performance and quality of glass and expand its applications in order to pursue higher added value.

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