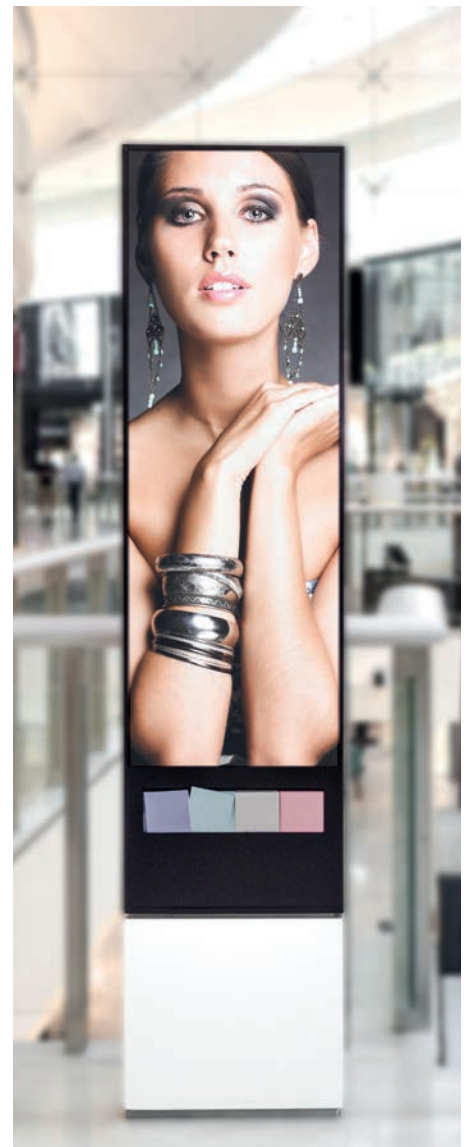




## DIGITAL SIGNS AND DISPLAYS

MEDIA'S  
MOST POWERFUL  
SOURCES



**INNOVATION IN DIGITAL SIGNAGE,  
DISPLAYS AND TOUCH SCREENS  
IS TRANSFORMING THE WAY WE  
COMMUNICATE WITH ONE ANOTHER,  
CAPTURE IMAGES AND TRANSMIT  
INFORMATION.**



Innovation in digital signage, displays and touch screens is transforming the way we communicate with one another, capture images and transmit information. Selecting the right glass for these applications enhances the effectiveness of displays with glass surfaces, while providing the best long-term mechanical and chemical protection.

Public Information Displays (PID) and Digital Out-Of-Home Displays (DOOH), to Digital Signage (DS), traffic displays, retail signs, embedded devices and biomedical displays, all desire glass that provides displays with excellent aesthetic features combined with performance attributes such as security, UV and solar protection, and ElectroMagnetic Interference (EMI) shielding.



# HOW WE CAN HELP

Guardian Glass' product portfolio and service are designed to make your displays stand out in any environment, backed by global technical and commercial support. Guardian works closely with original equipment manufacturers (OEMs), systems integrators and designers of digital displays, to achieve the ideal balance between glass performance and appearance. This means we can provide glass solutions for a wide range of interior and exterior digital signage applications.





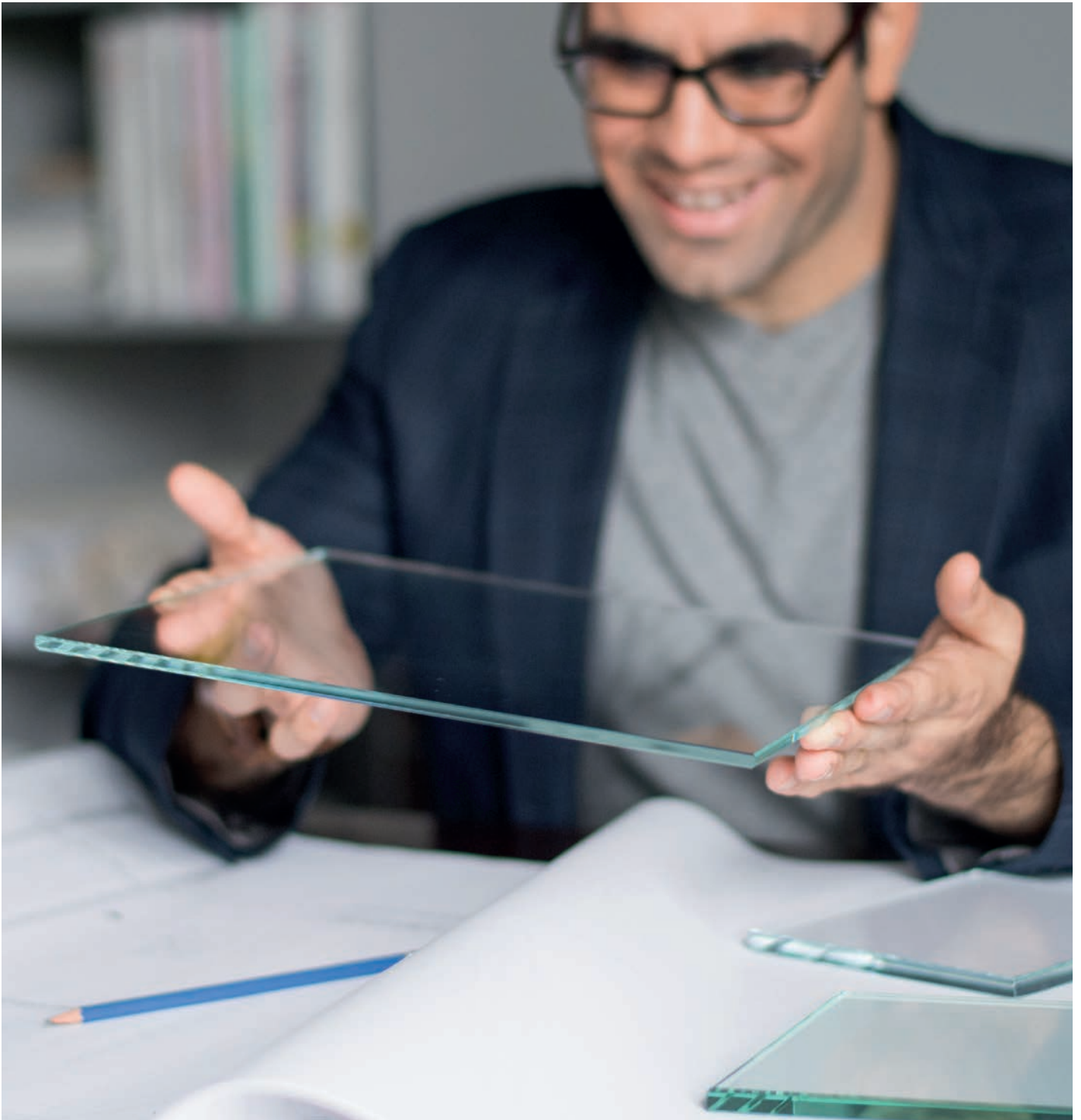
# GLASS SOLUTIONS FOR DEMANDING INDOOR AND OUTDOOR SIGNAGE AND DISPLAYS:

- **GUARDIAN CLARITY™**  
One of the best anti-reflective glass products available
- **GUARDIAN SENSE™**  
Anti-glare glass with lowest sparkling effect
- **GUARDIAN THERMAGUARD® NRG**  
Electromagnetic Interference (EMI) shielding solution with glass
- **GUARDIAN DIELECTRIC MIRROR**  
Semi transparent mirror with niche visual effect for hidden displays and smart mirrors

## TECHNICAL SUPPORT WITH TWO PILLARS

To help specifying right glazing composition suited for the display, and secondly to achieve “best-in-class” quality and efficiency during glass processing. Development of tailored solutions that facilitate innovation from a single source.





## **BUILD ON THE BEST FOUNDATIONS**

Guardian Glass products for digital signage are produced on high quality base glass as standard, Guardian ExtraClear® and Guardian UltraClear® a low iron float glass that offers exceptional clarity and a crystal-like appearance that also helps to ensure high contrast and optimum colour neutrality.







## GLASS THAT BRINGS SIGNS AND IMAGES TO LIFE

Guardian Clarity™ anti-reflective coated glass transmits a truer image with minimum reflection, enhanced contrast and wide viewing angle, making displays clearer and giving you a picture-perfect view even in demanding indoor or outdoor environments. With broad processing possibilities, printing, tempering, laminating, and even extreme bending, is possible.



Time
08:30
07:45
07:25
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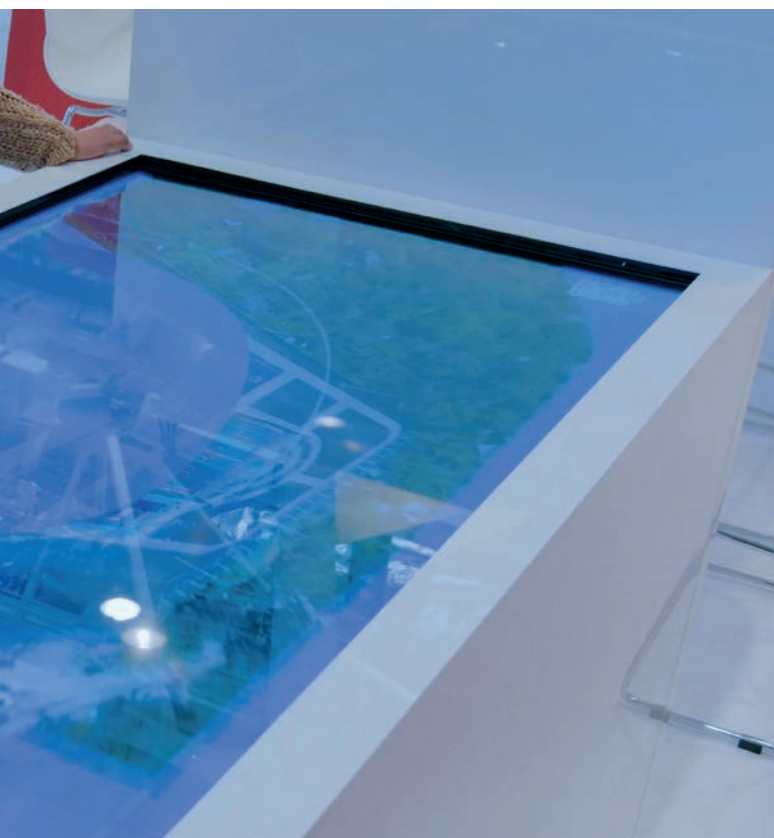
## TOUCH APPLICATIONS – BEST ANTI-SPARKLING PRODUCT IN CLASS. BE PREPARED FOR 4K DISPLAY APPLICATIONS.

Providing digital content with interactive features has never been so in demand as well as the performance features for a perfect cover-glass for such applications. Guardian Sense™ glass is manufactured by applying a precise combination of chemicals to the surface of float glass. The chemicals dissolve a small amount of the glass surface in order to produce a smooth, consistent finish, which provides a high level of light transmission combined with the anti-glare effect. A unique combination of best key performance characteristics (gloss, haze, clarity, anti-sparkling, and anti-fingerprint) is defining our anti-glare products. Be prepared for 4K display applications.





To	Flight No.	Gate	Remarks
London	FRD321	2A	On Time
Tokyo	RFT456	2B	On Time
Quito	KLM567	27	Delayed
Miami	REF432	D2	On Time
Paris	REF789	T6	On Time
Sydney	PAQ667	T6	Delayed
Zurich	REF781	F2	Delayed
Eindhoven	AMT345	B6	Delayed
Mexico	RTF443	V6	On Time
Bangkok	FRD555	H8	On Time
Madrid	KLM610	R6	On Time
Dublin	PAQ669	V2	Delayed
New York	AMT833	N3	On Time
Rome	GMA118	X8	On Time
Sao Paulo	PAQ654	W2	Delayed
Vienna	GMA409	Z6	On Time
Oslo	RFT364	T7	Delayed



## EDGE AND FRONT LIGHTED DISPLAY

Ideal for e-paper applications where side illumination using LEDs is required, Guardian SatinDeco® Light is a cost-effective solution that reduces glare whilst improving the visibility of the display.







## **ELECTROMAGNETIC INTER- FERENCE (EMI) SHIELDING**

Guardian ThermaGuard® NRG glass is a heat treatable, low-emissivity coating that acts as an effective electromagnetic shield for digital signage applications, reducing interference from surrounding devices.





Guardian Dielectric display OFF

## UNLEASH YOUR CREATIVITY – DESIGN SPACES WITH HIDDEN DISPLAYS

Guardian Dielectric Mirror glass is a product for dual-function mirror/TV applications, framed TVs, hidden commercial displays and projection screens. The glass gives designers more freedom to create stunning features and visual effects for modern interior designs. The product performance attributes are focusing on both: the sharp mirror-like reflection without haze, and most colour-neutral visible light transmission that provides original colours from the display behind.



Guardian Dielectric display ON

Photo Dielectric Mirror: © Frank Weber



[www.guardianglass.com](http://www.guardianglass.com)

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Guardian Europe  
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Guardian UltraClear®, Guardian SatinDeco® and Guardian  
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