

ANTI-REFLECTIVE  
GLASS

# USES AND APPLICATIONS

DATA SHEET / Quebec

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**MULTIVER**  
Cutting edge of the glass industry

# Types of Glass Offered by Multiver

## **ANTI-REFLECTIVE GLASS**

What is anti-reflective glass?

During the manufacturing process of float glass, glass manufacturers apply a layer of metallic oxides (also known as on-line coating) to the surface while the glass is still hot. This process produces **glass with very low reflection and therefore, great transparency.** Multiver offers two types of anti-reflective glass : standard glass and laminated glass.

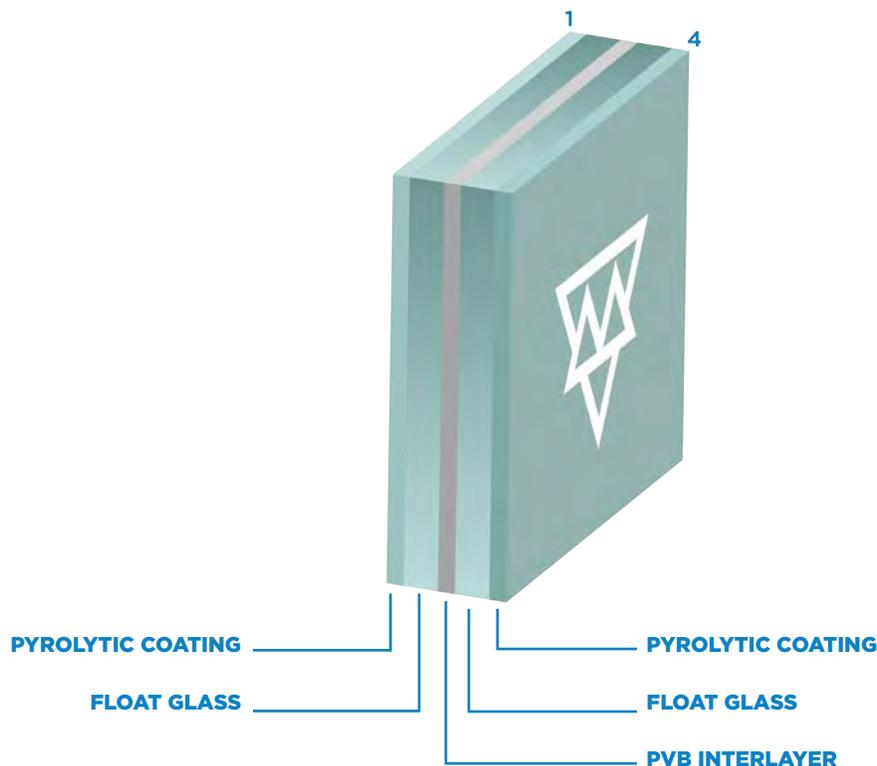
## ANTI-REFLECTIVE STANDARD GLASS

Multiver's anti-reflective standard glass is monolithic glass onto which a hard, on-line coating is deposited on only one side to **reduce light reflectance**. **Visible light transmittance is therefore higher** than in the case of standard float glass, resulting in **a clear, un-obscured and reflection-free view**.

## ANTI-REFLECTIVE LAMINATED GLASS

Multiver's anti-reflective glass is also available as laminated glass. To ensure **low interior and exterior reflectance**, hard coatings are deposited onto surfaces 1 and 4 (both outer surfaces of the glass). This product offers all the traditional benefits of laminated glass as well, such as **acoustic insulation and superior safety**. It also protects interiors and helps to prevent the risk of colour fading by **blocking over 99 % of UV transmittance (UVA and UVB)**.

## COMPONENTS OF LAMINATED GLASS



# FEATURES AND BENEFITS OF ANTI-REFLECTIVE GLASS

- ▶ Colour neutral
- ▶ Clear, un-obscured and reflection-free view
- ▶ Light transmission over 90 %
- ▶ Glass product that can easily be laminated or tempered
- ▶ Blocking 99 % of UV radiation (laminated glass)
- ▶ Reducing interior and exterior light reflectance to under 2 % (laminated glass)
- ▶ Superior safety and acoustic performance (laminated glass)

# TECHNICAL SPECIFICATIONS OF ANTI-REFLECTIVE LAMINATED GLASS

Products	Energy			
	Transmittance	Reflectance	Absortion	Solar gain (g)
Anti-Reflective Glass	0.81	0.06	0.13	0.84
Clear Glass	0.79	0.07	0.14	0.82
Laminated Glass	0.73	0.07	0.2	0.78
Anti-reflective Laminated Glass	0.69	0.03	0.28	0.76
Clear Glass	0.68	0.07	0.25	0.75
Laminated Glass	0.65	0.06	0.29	0.72
Anti-reflective Laminated Glass	0.62	0.03	0.35	0.71

Products	Tick. (mm)	Light		UV Transmittance
		Transmittance	Reflectance	
Anti-Reflective Glass	6	0.91	0.06	0.58
Clear Glass	6	0.88	0.08	0.53
Laminated Glass	6.8	0.88	0.08	0.01
Anti-reflective Laminated Glass	6.8	0.91	0.02	0.00
Clear Glass	12	0.85	0.08	0.42
Laminated Glass	12.8	0.85	0.08	0.01
Anti-reflective Laminated Glass	12.8	0.88	0.02	0.00

Values provided by Pilkington

## USES

Multiver's anti-reflective laminated glass can be processed and installed just as easily as ordinary glass. **It is ideal for any applications—new or traditional—that require reflection-free glass.** This product can be used to enhance any view, either looking inwards or outwards, making it the perfect choice for atriums, sports stadiums or panoramic restaurants. It is available in various sizes. Considering that it is more colour neutral than ordinary glass, Multiver's anti-reflective laminated glass **offers architects greater freedom for innovative projects.** It can also be used in double glazing as well as combined with other products to improve the acoustic, thermal or safety performance. Multiver's anti-reflective glass can be used in a wide range of areas and projects, such as :

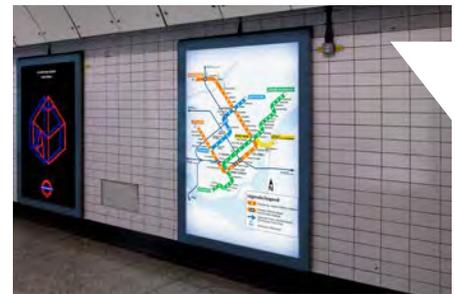
### Display cases



### Bay windows



### Information signs



### Interior partitions



### Showcases



### Publicity signs



## MANUFACTURING SIZE

Available in large sizes

Thicknesses available in a **standard** application : 3 mm and 6 mm

Thicknesses available in a **laminated** application : 6.8 mm and 12.8 mm



This document gives a general description of the product. For further information, please contact an authorized supplier of Multiver products. The use of any of the products mentioned herein is the sole responsibility of the users. Multiver assumes no responsibility for the use of its products.

