







# artglass

## ARCHITECTURE

### Technical Performance Data for Monolithic, Laminated, Double-Glazing:

	Glass type	Structure	Maximum sizes		Thicknesses [mm]	Visual coefficient of reflection $\rho_v(D65)$ [%]	Light transmittance $t_v(D65)$ [%]	UV transmission $t_{uv}(EN410)$ [%]	U-value $U_g$ [W/m <sup>2</sup> k]	Solar heat gain coefficient g [%]	General color rendering index $R_a$
			meters	inches							
Monolithic	Regular Float		according to manufacturer		4	8.3	90	68	5.8	88	99.3
	Artglass AR™		3.21 x 2.25	126 x 88	4	1.0	98	29	5.8	83	99.8
Laminated	Artglass AR Protect™ PVB (44.2)				8.8	1.0	97	<1	5.6	78	99.3
Double Glazed Units (DGUs)	Ordinary DGUs		according to manufacturer		4+12+4	15.1	82	53	2.7 (argon gas filled)	78	98.6
	Artglass AR™ DGUs with tempered glass		3.21 x 2.25	126 x 88	4+12+4	1.7	97	15	2.7 (argon gas filled)	74	99.6
	Artglass AR™ DGUs with NIR-Block/ Low-E					2.0	91	11	1.6 (argon gas filled)	67	98.9

#### Legend


Single pane
  Artglass™ anti-reflective coating
  PVB interlayer
  Spacer
  NIR-Block/Low-E layer


- Calculations for Artglass AR™ based on 4mm thick glass and for Artglass AR Protect™ based on 8.8mm thick glass.
- Calculations for DGU are based on combination 4mm glass 12mm glass space (argon) 4mm glass.
- The values are calculated based on the standards EN 410 and EN 673, precise values can vary.
- For other compositions please contact us at sales@groglass.com.
- Maximum sizes are for coated glass. Maximum size for DGUs depend on respective processor.
- Available thicknesses: Artglass AR™ 3 – 12mm, Artglass AR Protect™ 4.4mm, 6.4mm, 8.8mm, 10.8mm, 12.8mm, 9.5mm, 11.5mm, 13.5mm.
- Artglass AR™ and Artglass AR Protect™ performance is subject to variations due to manufacturing tolerances, glass thickness and glass types.


Disclaimer: All values are nominal values and subject to product tolerances. The information contained in this publication is a general description of glass products and Groglass® hereby disclaims all liability howsoever arising from any inaccuracy in or omissions from this publication and all the consequences of relying on it. It is the responsibility of the users of this information to ensure that the intended application of glass products is appropriate and complies with all relevant laws, regulations, standards, codes of practices and other requirements.

# SEE WHAT'S IMPORTANT

Groglass SIA  
Katlakalna 4B, Riga  
LV-1073, Latvia  
T +371 67502910  
F +371 67502911  
sales@groglass.com

 Groglass

 @Groglass

 Groglass

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