



45 Higgins Avenue  
Winnipeg, MB R3B 0A8  
Tel: 204.339.6456  
Fax: 204.334.1800  
www.duxtonwindows.com

## Thermal Performance *SERIES CW - Fiberglass Curtain Wall*

Glass type	Application	Pane Thickness	LoE Surface	Gas	Centre-of-Glass				Overall Window			
					R-Value	U-Value (imperial)	Heat Gain	Visible Light	U-Value (imperial)	U-Value (metric)	Heat Gain	Visible Light
Dual Pane												
<i>Not available at this time</i>												
<b>Triple Pane - 1 LoE Coating - High Performance</b>												
<b>3 mm Configurations</b>												
Cardinal LoE-180	High Solar Gain	3 mm	5	Argon	5.13	0.19	0.59	72%	0.25	1.40	0.54	64%
Cardinal LoE-272	Mid-Range	3 mm	2	Argon	5.28	0.19	0.38	65%	0.23	1.28	0.35	58%
Cardinal LoE-366	Low Solar Gain	3 mm	2	Argon	5.43	0.18	0.25	59%	0.22	1.25	0.23	51%
<b>6 mm Configurations</b>												
Cardinal LoE-180	High Solar Gain	6 mm	5	Argon	5.23	0.19	0.55	68%	0.25	1.40	0.50	61%
Cardinal LoE-272	Mid-Range	6 mm	2	Argon	5.40	0.19	0.36	62%	0.24	1.37	0.33	56%
Cardinal LoE-366	Low Solar Gain	6 mm	2	Argon	5.56	0.18	0.25	56%	0.24	1.35	0.23	50%
<b>Triple Pane - 2 LoE Coatings - Ultra High Performance</b>												
<b>3 mm Configurations</b>												
Cardinal LoE-180 and 180	High Solar Gain	3 mm	2 and 5	Argon	7.55	0.13	0.55	70%	0.18	1.01	0.49	62%
Cardinal LoE-272 and 180	Mid-Range	3 mm	2 and 5	Argon	7.74	0.13	0.36	63%	0.17	0.99	0.33	57%
Cardinal LoE-272 and 272	Mid-Range	3 mm	2 and 5	Argon	7.99	0.13	0.33	57%	0.17	0.97	0.30	51%
Cardinal LoE-366 and 180	Low Solar Gain	3 mm	2 and 5	Argon	7.92	0.13	0.24	57%	0.17	0.98	0.22	51%
Cardinal LoE-366 and 366	Low Solar Gain	3 mm	2 and 5	Argon	8.43	0.12	0.2103	46%	0.17	0.95	0.19	41%



45 Higgins Avenue  
 Winnipeg, MB R3B 0A8  
 Tel: 204.339.6456  
 Fax: 204.334.1800  
 www.duxtonwindows.com

## Thermal Performance SERIES CW - Fiberglass Curtain Wall

Glass type	Application	Pane Thickness	LoE Surface	Gas	Centre-of-Glass				Overall Window			
					R-Value	U-Value (imperial)	Heat Gain	Visible Light	U-Value (imperial)	U-Value (metric)	Heat Gain	Visible Light
<b>6 mm Configurations</b>												
Cardinal LoE-180 and 180	High Solar Gain	6 mm	2 and 5	Argon	7.45	0.13	0.50	66%	0.20	1.11	0.45	60%
Cardinal LoE-272 and 180	Mid-Range	6 mm	2 and 5	Argon	7.64	0.13	0.34	60%	0.19	1.10	0.31	54%
Cardinal LoE-272 and 272	Mid-Range	6 mm	2 and 5	Argon	7.88	0.13	0.31	54%	0.19	1.08	0.29	49%
Cardinal LoE-366 and 180	Low Solar Gain	6 mm	2 and 5	Argon	7.82	0.13	0.24	54%	0.19	1.08	0.22	49%
Cardinal LoE-366 and 366	Low Solar Gain	6 mm	2 and 5	Argon	8.31	0.12	0.21	44%	0.18	1.04	0.19	40%

Performance Values are calculated by certified, 3rd party test labs. Information is gleaned from best available industry sources. The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-service performance can be significantly different from those shown. Product tested indicates design potential. Model size was 2000 mm x 2000 mm.

### Notes

- (1) 3-Pane calculations based on 3 tempered lites of 1/8" (3 mm) glass and two 5/8" (16 mm) airspaces; or 3 tempered lites of 1/4" (6 mm) glass and two 1/2" (12.2 mm) airspaces.
- (2) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (3) NFRC Environmental Conditions used for all values.
- (4) Cardinal Endur warm edge stainless steel spacer used for all values.

\*Values last updated April 2024.