

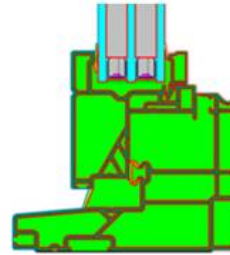
## Simulation Case Studies – Casement

<b>Casement Simulation Summary</b>											
Spacer System	Overall IGU Width	Outer Lite	Airspace 1	Middle Lite	Airspace 2	Inner Lite	Gas Fill (90%)	* NFRC Casement Size	U-Factor (BTU/h-ft <sup>2</sup> -F)	SHGC	CR
Intercept Tinplate	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.330	0.489	55.3
Intercept Ultra 17 Conductivity	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.322	0.489	57.0
Intercept Ultra 14.3 Conductivity	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.321	0.489	57.3
Intercept Ultra 13.63 Conductivity	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.321	0.489	57.3
Superspacer	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.320	0.489	57.3
No Spacer (Air Fill Spcr Cavity)	0.750	3mm Clear	N/A	N/A	0.505	3mm Comfort E <sup>2</sup>	Argon	x	0.304	0.489	61.3
Intercept Tinplate	1.000	3mm Clear	0.316	3mm Clear	0.316	3mm Comfort E <sup>2</sup>	Argon	x	0.288	0.442	62.0
Intercept Tinplate	1.000	3mm Clear	0.316	3mm Clear	0.316	3mm TiPS	Argon	x	0.271	0.378	63.3
Intercept Tinplate	1.000	3mm TiPS	0.316	3mm Clear	0.316	3mm TiPS	Argon	x	0.239	0.317	67.3

\* NFRC standard casement window size is 23.622" W x 59.055" H.



3/4" IGU Double Glazed



1" IGU Triple Glazed