

Thermal Performance Data

GOLDENVINYL OPERATING CASEMENT

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.82	0.32	0.49	3.13	28	1	1.70	0.30	0.49	3.33	30	1 2
Soft Coat LowE (2) Clear	SBCL	1.65	0.29	0.27	3.45	19	None	1.53	0.27	0.27	3.70	21	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.48	0.26	0.40	3.85	30	1 2
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.36	0.24	0.25	4.17	24	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL FIXED CASEMENT

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.76	0.31	0.58	3.23	35	1 2 3	1.70	0.30	0.58	3.33	36	1 2 3
Soft Coat LowE (2) Clear	SBCL	1.59	0.28	0.31	3.57	23	1	1.53	0.27	0.31	3.70	24	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.42	0.25	0.47	4.00	36	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.31	0.23	0.29	4.35	28	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL FIXED WINDOW

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.76	0.31	0.64	3.23	38	1 2 3	1.70	0.30	0.64	3.33	40	1 2 3
Soft Coat LowE (2) Clear	SBCL	1.59	0.28	0.34	3.57	25	1	1.48	0.26	0.34	3.85	27	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.36	0.24	0.52	4.17	40	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.25	0.22	0.32	4.55	31	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL SINGLE HUNG

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.87	0.33	0.58	3.03	32	1 2	1.82	0.32	0.58	3.13	33	1 2
Soft Coat LowE (2) Clear	SBCL	1.70	0.30	0.31	3.33	20	None	1.59	0.28	0.31	3.57	22	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.48	0.26	0.48	3.85	35	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.36	0.24	0.30	4.17	27	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

Thermal Performance Data

GOLDENVINYL SINGLE SLIDER

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.87	0.33	0.59	3.03	33	1 2	1.82	0.32	0.59	3.13	34	1 2 3
Soft Coat LowE (2) Clear	SBCL	1.70	0.30	0.31	3.33	20	None	1.59	0.28	0.31	3.57	22	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.53	0.27	0.48	3.70	34	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.36	0.24	0.30	4.17	27	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL DOUBLE HUNG

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.87	0.33	0.56	3.03	30	1 2	1.76	0.31	0.56	3.23	33	1 2
Soft Coat LowE (2) Clear	SBCL	1.7	0.30	0.30	3.33	19	None	1.59	0.28	0.30	3.57	22	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.53	0.27	0.46	3.70	32	1 2
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.36	0.24	0.28	4.17	25	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL DOUBLE SLIDER

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.87	0.33	0.55	3.03	30	1 2	1.76	0.31	0.55	3.23	32	1 2
Soft Coat LowE (2) Clear	SBCL	1.7	0.30	0.30	3.33	19	None	1.59	0.28	0.30	3.57	22	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.53	0.27	0.45	3.70	32	1 2
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.42	0.25	0.28	4.00	24	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENVINYL SLIDING PATIO DOOR

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CTLT	1.87	0.33	0.60	3.03	33	1 2	1.87	0.33	0.60	3.03	33	1 2
Soft Coat LowE (2) Clear	STCT	1.70	0.30	0.32	3.33	20	None	1.70	0.30	0.32	3.33	20	None
Hard Coat LowE (2) Hard Coat LowE (4)	LTLT							1.53	0.27	0.49	3.70	34	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	STLT	1.42	0.25	0.31	4.00	26	1 2	1.42	0.25	0.31	4.00	26	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

Thermal Performance Data

GOLDENCLAD OPERATING CASEMENT

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.87	0.33	0.51	3.03	28	1	1.76	0.31	0.51	3.23	30	1 2
Soft Coat LowE (2) Clear	SBCL	1.76	0.31	0.27	3.23	16	None	1.65	0.29	0.27	3.45	19	None
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.53	0.27	0.42	3.70	30	1 2
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.42	0.25	0.26	4.00	23	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENCLAD FIXED CASEMENT

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.82	0.32	0.58	3.13	33	1 2	1.76	0.31	0.58	3.23	35	1 2 3
Soft Coat LowE (2) Clear	SBCL	1.65	0.29	0.31	3.45	22	None	1.53	0.27	0.31	3.70	24	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.48	0.26	0.48	3.85	35	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.31	0.23	0.29	4.35	28	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENCLAD FIXED WINDOW

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.82	0.32	0.66	3.13	38	1 2 3	1.76	0.31	0.66	3.23	39	1 2 3
Soft Coat LowE (2) Clear	SBCL	1.65	0.29	0.35	3.45	24	None	1.53	0.27	0.35	3.70	27	1
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.42	0.25	0.54	4.00	40	1 2 3
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.31	0.23	0.33	4.35	30	1 2

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENCLAD DOUBLE HUNG

Glazing Option	Glazing Code	Intercept						Superspacer					
		U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones	U Value	U Factor	SHGC	R Value	ER	Energy Star Canada 02/01/2015 Qualification Zones
Clear Hard Coat LowE (3)	CLLE	1.99	0.35	0.53	2.86	26	1	1.87	0.33	0.53	3.03	29	1 2
Soft Coat LowE (2) Clear	SBCL	1.82	0.32	0.28	3.13	16	None	1.70	0.30	0.28	3.33	18	None
Hard Coat LowE (2) Hard Coat LowE (4)	LELE							1.65	0.29	0.43	3.45	28	1
Soft Coat LowE (2) Hard Coat LowE (4)	SBLE							1.53	0.27	0.27	3.70	21	1

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

Thermal Performance Data

GOLDENCLAD WIDE RAIL SLIDING PATIO SLIDER

Glazing Option	Glazing Code	Intercept					Energy Star Canada 02/01/2015 Qualification Zones	Superspacer					Energy Star Canada 02/01/2015 Qualification Zones
		U Value	U Factor	SHGC	R Value	ER		U Value	U Factor	SHGC	R Value	ER	
Clear Hard Coat LowE (3)	CTLT												
Soft Coat LowE (2) Clear	STCT						1.93	0.34	0.42	2.94	21	None	
Hard Coat LowE (2) Hard Coat LowE (4)	LTLT						1.82	0.32	0.23	3.13	12	None	
Soft Coat LowE (2) Hard Coat LowE (4)	STLT						1.70	0.30	0.34	3.33	21	None	
Soft Coat LowE (2) Hard Coat LowE (4)	STLT						1.65	0.29	0.21	3.45	15	None	

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).

GOLDENCLAD NARROW RAIL SLIDING PATIO DOOR

Glazing Option	Glazing Code	Intercept					Energy Star Canada 02/01/2015 Qualification Zones	Superspacer					Energy Star Canada 02/01/2015 Qualification Zones
		U Value	U Factor	SHGC	R Value	ER		U Value	U Factor	SHGC	R Value	ER	
Clear Hard Coat LowE (3)	CTLT												
Soft Coat LowE (2) Clear	STCT						1.87	0.33	0.57	3.03	31	1 2	
Hard Coat LowE (2) Hard Coat LowE (4)	LTLT						1.70	0.30	0.30	3.33	19	None	
Soft Coat LowE (2) Hard Coat LowE (4)	STLT						1.53	0.27	0.46	3.70	32	1 2	
Soft Coat LowE (2) Hard Coat LowE (4)	STLT						1.48	0.26	0.28	3.85	23	1	

Note: Test results for standard units with no grilles. Grilles will impact these values. Test results can be verified by the NFRC (National Fenestration Rating Council).