

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris)



Windgate/Belmont/Stormgate							No Grids/With Grids
Picture Window							AMW-K-1
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.46	0.64 / 0.57	0.67/0.60	46	02323-00001 / 02323-00002
LoE 270 / Clear	Dual	Air	0.31	0.31 / 0.28	0.57/0.51	59	02324-00001 / 02324-00002
LoE 270 / Clear	Dual	Argon	0.27	0.30 / 0.27	0.57/0.51	62	02326-00001 / 02326-00002
LoE 366 / Clear	Dual	Air	0.31	0.23 / 0.21	0.53/0.47	59	02328-00001 / 02328-00002
LoE 366 / Clear	Dual	Argon	0.27	0.22 / 0.20	0.53/0.47	63	02330-00001 / 02330-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.47 / 0.49	0.56 / 0.50	0.66/0.59	44/45	02555-00001 / 02556-00001
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.30 / 0.32	0.30 / 0.27	0.56/0.50	60	02563-00001 / 02564-00001
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30/0.32	0.24 / 0.21	0.52/0.46	60	02571-00001 / 02572-00001
LoE 180 / i89	Dual	Argon	0.24	0.51 / 0.46	0.63/0.56	46	02603-00001 / 02603-00002
LoE 366 / i89	Dual	Argon	0.23	0.22 / 0.20	0.51/0.46	47	02605-00001 / 02605-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.19 / 0.20	0.23 / 0.21	0.44/0.39	59	02607-00001 / 02608-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Single Hung							AMW-K-2
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.46	0.61 / 0.55	0.65 / 0.58	44	03360-00001 / 03360-00002
LoE 270 / Clear	Dual	Air	0.32	0.29 / 0.27	0.55 / 0.49	56	03369-00001 / 03369-00002
LoE 270 / Clear	Dual	Argon	0.28	0.29 / 0.26	0.55 / 0.49	60	03370-00001 / 03370-00002
LoE 366 / Clear	Dual	Air	0.31	0.22 / 0.20	0.51 / 0.45	56	03377-00001 / 03377-00002
LoE 366 / Clear	Dual	Argon	0.28	0.22 / 0.20	0.51 / 0.45	60	03378-00001 / 03378-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.48	0.59 / 0.53	0.63 / 0.57	43	03363-00003 / 03363-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.32	0.26	0.48	48	03372-00003 / 03372-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.22 / 0.20	0.50 / 0.45	48	03379-00003 / 03379-00004
LoE 180 / i89	Dual	Argon	0.26	0.49 / 0.44	0.61 / 0.54	49	04963-00001 / 04963-00002
LoE 366 / i89	Dual	Argon	0.25	0.21 / 0.19	0.50 / 0.44	50	04965-00001 / 04965-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.21	0.22 / 0.20	0.42 / 0.38	58	04966-00001 / 04967-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Single Slider (XO)							AMW-K-3
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.47	0.61 / 0.55	0.64 / 0.57	45	03101-00001 / 03101-00002
LoE 270 / Clear	Dual	Air	0.32	0.29 / 0.27	0.55 / 0.49	58	03110-00001 / 03110-00002
LoE 270 / Clear	Dual	Argon	0.29	0.29 / 0.26	0.55 / 0.49	62	03111-00001 / 03111-00002
LoE 366 / Clear	Dual	Air	0.32	0.22 / 0.20	0.51 / 0.45	59	03118-00001 / 03118-00002
LoE 366 / Clear	Dual	Argon	0.28	0.22 / 0.20	0.51 / 0.45	63	03119-00001 / 03119-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.49	0.59 / 0.53	0.63 / 0.56	44	03104-00003 / 03104-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.31	0.29 / 0.26	0.54 / 0.48	57	03152-00003 / 03152-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.22 / 0.20	0.50 / 0.44	57	03160-00003 / 03160-00004
LoE 180 / i89	Dual	Argon	0.25	0.49 / 0.44	0.60 / 0.54	49	04524-00001 / 04524-00002
LoE 366 / i89	Dual	Argon	0.24	0.21 / 0.19	0.49 / 0.44	51	04526-00001 / 04526-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.20	0.22 / 0.20	0.42 / 0.38	58	04527-00001 / 04528-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
2-lite Slider (XX)							AMW-K-4
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.46	0.59 / 0.53	0.62 / 0.56	45	06301-00001 / 06301-00002
LoE 270 / Clear	Dual	Air	0.32	0.28 / 0.26	0.53 / 0.47	58	06310-00001 / 06310-00002
LoE 270 / Clear	Dual	Argon	0.29	0.28 / 0.25	0.53 / 0.47	62	06311-00001 / 06311-00002
LoE 366 / Clear	Dual	Air	0.32	0.21 / 0.19	0.49 / 0.44	58	06318-00001 / 06318-00002
LoE 366 / Clear	Dual	Argon	0.28	0.21 / 0.19	0.49 / 0.44	62	06319-00001 / 06319-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.48	0.57 / 0.51	0.61 / 0.55	44	06304-00003 / 06304-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.31	0.28 / 0.25	0.52 / 0.47	59	06312-00003 / 06312-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.21 / 0.19	0.48 / 0.43	60	06320-00003 / 06320-00004
LoE 180 / i89	Dual	Argon	0.26	0.48 / 0.43	0.58 / 0.52	48	08412-00001 / 08412-00002
LoE 366 / i89	Dual	Argon	0.25	0.20 / 0.18	0.48 / 0.43	49	08414-00001 / 08414-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.21	0.22 / 0.19	0.41 / 0.36	59	08415-00001 / 08416-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Double Hung							AMW-K-6
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.46	0.58 / 0.52	0.61 / 0.55	45	21450-00001 / 21450-00002
LoE 270 / Clear	Dual	Air	0.32	0.28 / 0.25	0.52 / 0.46	56	21451-00001 / 21451-00002
LoE 270 / Clear	Dual	Argon	0.28	0.28 / 0.25	0.52 / 0.46	60	21453-00001 / 21453-00002
LoE 366 / Clear	Dual	Air	0.32	0.21 / 0.19	0.48 / 0.43	57	21455-00001 / 21455-00002
LoE 366 / Clear	Dual	Argon	0.28	0.21 / 0.19	0.48 / 0.43	60	21457-00001 / 21457-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.48 / 0.49	0.55 / 0.49	0.60 / 0.54	44	22218-00001 / 22219-00001
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.31 / 0.33	0.28 / 0.25	0.51 / 0.46	58	22222-00001 / 22223-00001
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.31 / 0.33	0.22 / 0.20	0.47 / 0.42	58	22230-00001 / 22231-00001
LoE 180 / i89	Dual	Argon	0.25	0.47 / 0.42	0.58 / 0.51	48	22598-00001 / 22598-00002
LoE 366 / i89	Dual	Argon	0.24	0.20 / 0.18	0.47 / 0.42	49	22600-00001 / 22600-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.20 / 0.21	0.21 / 0.19	0.40 / 0.36	57	22632-00001 / 22633-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	0.29	0.28 / 0.25	0.52 / 0.46	44	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	0.29	0.21 / 0.19	0.21 / 0.19	44	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Casement							AMW-K-8
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.43	0.57 / 0.52	0.60 / 0.54	43	01424-00001 / 01424-00002
LoE 270 / Clear	Dual	Air	0.31	0.27 / 0.25	0.51 / 0.46	56	01433-00001 / 01433-00002
LoE 270 / Clear	Dual	Argon	0.27	0.27 / 0.25	0.51 / 0.46	59	01434-00001 / 01434-00002
LoE 366 / Clear	Dual	Air	0.30	0.21 / 0.19	0.47 / 0.43	56	01441-00001 / 01441-00002
LoE 366 / Clear	Dual	Argon	0.27	0.20 / 0.19	0.47 / 0.43	59	01442-00001 / 01442-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.45	0.55 / 0.50	0.59 / 0.53	42	01427-00003 / 01427-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.27 / 0.25	0.50 / 0.45	53	01435-00003 / 01435-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.20 / 0.19	0.46 / 0.42	53	01443-00003 / 01443-00004
LoE 180 / i89	Dual	Argon	0.24	0.46 / 0.42	0.56 / 0.51	47	02075-00001 / 02075-00002
LoE 366 / i89	Dual	Argon	0.23	0.20 / 0.18	0.46 / 0.42	49	02077-00001 / 02077-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.19 / 0.20	0.21 / 0.19	0.39 / 0.35	56	02078-00001 / 02079-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Awning							AMW-K-9
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.44	0.57 / 0.52	0.60 / 0.54	43	01391-00001 / 01391-00002
LoE 270 / Clear	Dual	Air	0.31	0.27 / 0.25	0.51 / 0.46	54	01400-00001 / 01400-00002
LoE 270 / Clear	Dual	Argon	0.28	0.27 / 0.25	0.51 / 0.46	58	01401-00001 / 01401-00002
LoE 366 / Clear	Dual	Air	0.30	0.21 / 0.19	0.47 / 0.43	54	01408-00001 / 01408-00002
LoE 366 / Clear	Dual	Argon	0.27	0.20 / 0.19	0.47 / 0.43	58	01409-00001 / 01409-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.46	0.55 / 0.50	0.59 / 0.53	42	01394-00003 / 01394-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.25	0.45	45	01403-00003 / 01403-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.20 / 0.19	0.46 / 0.42	45	01410-00003 / 01410-00004
LoE 180 / i89	Dual	Argon	0.24	0.46 / 0.42	0.56 / 0.51	44	02042-00001 / 02042-00002
LoE 366 / i89	Dual	Argon	0.23	0.20 / 0.18	0.46 / 0.41	45	02044-00001 / 02044-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.19 / 0.20	0.21 / 0.19	0.39 / 0.35	56	02045-00001 / 02046-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Windgate/Belmont/Stormgate							No Grids/With Grids
Fixed Casement							AMW-K-10
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	CPD
Clear / Clear	Dual	Air	0.44	0.64 / 0.58	0.68 / 0.60	43	01202-00001 / 01202-00002
LoE 270 / Clear	Dual	Air	0.29	0.31 / 0.28	0.58 / 0.51	55	01211-00001 / 01211-00002
LoE 270 / Clear	Dual	Argon	0.26	0.30 / 0.28	0.58 / 0.51	59	01212-00001 / 01212-00002
LoE 366 / Clear	Dual	Air	0.29	0.23 / 0.21	0.53 / 0.48	56	01219-00001 / 01219-00002
LoE 366 / Clear	Dual	Argon	0.25	0.23 / 0.21	0.53 / 0.48	59	01220-00001 / 01220-00002
Clear / Lami (8.6mm Impact)	Dual	Air	0.46	0.62 / 0.56	0.66 / 0.59	42	01205-00003 / 01205-00004
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.28	0.51	50	01214-00003 / 01214-00004
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.27	0.23 / 0.21	0.52 / 0.47	50	01221-00003 / 01221-00004
LoE 180 / i89	Dual	Argon	0.23	0.51 / 0.46	0.63 / 0.57	47	01527-00001 / 01527-00002
LoE 366 / i89	Dual	Argon	0.22	0.22 / 0.20	0.52 / 0.46	49	01529-00001 / 01529-00002
LoE 270 / LoE 270 / i89	Triple	Argon	0.18	0.23 / 0.21	0.44 / 0.40	56	01530-00001 / 01531-00001
LoE 270 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A
LoE 366 / Lami (8.6mm Impact) i89	Dual	Argon	-1	-1	-1	-1	N/A



Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).

Windgate/Belmont/Stormgate							No Grids/With Grids
1100 Sliding Glass Door (Direct Glazed Fixed Panel / 2 Panel)							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.45	0.60 / 0.53	0.64 / 0.56	45	**Glass Testing**
LoE 270 / Clear	Dual	Air	-	-	-	-	DO NOT USE – ARGON ONLY
LoE 270 / Clear	Dual	Argon	0.31	0.26 / 0.23	0.49 / 0.43	60	24-06-B0034-S1 (2024)
LoE 366 / Clear	Dual	Air	-	-	-	-	DO NOT USE – ARGON ONLY
LoE 366 / Clear	Dual	Argon	0.30	0.20 / 0.17	0.45 / 0.39	60	24-06-B0034-S1 (2024)
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.27	0.31 / 0.27	0.48 / 0.41	64	D7297.08-116-45 (2015)
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.27	0.26 / 0.23	0.44 / 0.38	64	D7297.08-116-45 (2015)
LoE 270 / Clear / LoE 270	Triple	Argon	TBD	TBD	TBD	TBD	
LoE 366 / Clear / LoE 366	Triple	Argon	TBD	TBD	TBD	TBD	
LoE 180 / i89	Dual	Argon	0.28	0.44 / 0.39	0.54 / 0.47	48	24-06-B0034-S1 (2024)
LoE 270 / i89	Dual	Argon	0.27	0.26 / 0.23	0.48 / 0.42	49	24-06-B0034-S1 (2024)
LoE 366 / i89	Dual	Argon	0.27	0.19 / 0.17	0.44 / 0.38	50	24-06-B0034-S1 (2024)
LoE 270 / Lami (8.6mm Impact) i89	Triple	Argon	0.26	0.25 / 0.22	0.46 / 0.40	49	24-06-B0144-S1 (2024)
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	0.25	0.19 / 0.17	0.42 / 0.37	49	24-06-B0144-S1 (2024)

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Veka							No Grids/With Grids
Picture Window							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.49	0.78	0.82	-	**Glass Testing**
LoE 270 / Clear	Dual	Air	0.31	0.37	0.70	-	**Glass Testing**
LoE 270 / Clear	Dual	Argon	0.26	0.37	0.70	-	**Glass Testing**
LoE 366 / Clear	Dual	Air	0.31	0.27	0.65	-	**Glass Testing**
LoE 366 / Clear	Dual	Argon	0.26	0.27	0.65	-	**Glass Testing**
Clear / Lami (8.6mm Impact)	Dual	Air	0.47 / 0.49	0.56 / 0.50	0.66 / 0.59	44 / 45	**W/B Estimate Testing**
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.25	0.31	0.58	64	M3660.03-116-45-r1 (2023)
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30 / 0.32	0.24 / 0.21	0.52 / 0.46	60	**W/B Estimate Testing**
LoE 180 / i89	Dual	Argon	0.24	0.54 / 0.49	0.66 / 0.59	48	24-06-B0144-S2 (2024)
LoE 366 / i89	Dual	Argon	0.22	0.23 / 0.21	0.54 / 0.49	49	24-06-B0144-S2 (2024)
LoE 270 / Clear / LoE 270	Triple	Argon	0.16	0.24 / 0.20	0.42 / 0.40	73	26-06-B0062-S3 (2026)
LoE 366 / Clear / LoE 366	Triple	Argon	0.16	0.20 / 0.19	0.40 / 0.36	73	26-06-B0062-S3 (2026)
LoE 366 / Clear / Clear	Triple	Argon	0.19	0.25	0.59	-	**Glass Testing**
LoE 180 / Clear / i89	Triple	Argon	0.17	0.58	0.71	-	**Glass Testing**
LoE 366 / Clear / i89	Triple	Argon	0.18	0.21 / 0.19	0.49 / 0.44	55	26-06-B0062-S3 (2026)
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.24	0.25	0.58	-	**Glass Testing**
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	-1	-1	-1	-1	---

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Veka							No Grids/With Grids
Single Hung							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.49	0.78	0.82	-	**Glass Testing**
LoE 270 / Clear	Dual	Air	0.31	0.37	0.70	-	**Glass Testing**
LoE 270 / Clear	Dual	Argon	0.26	0.37	0.70	-	**Glass Testing**
LoE 366 / Clear	Dual	Air	0.31	0.27	0.65	-	**Glass Testing**
LoE 366 / Clear	Dual	Argon	0.26	0.27	0.65	-	**Glass Testing**
Clear / Lami (8.6mm Impact)	Dual	Air	0.48	0.59 / 0.53	0.63 / 0.57	43	**W/B Estimate Testing**
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.27	0.28	0.53	61	E1852.04-116-45 (2015)
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.22 / 0.20	0.50 / 0.45	48	**W/B Estimate Testing**
LoE 180 / i89	Dual	Argon	0.26	0.49 / 0.44	0.60 / 0.54	46	24-06-B0144-S3 (2024)
LoE 366 / i89	Dual	Argon	0.25	0.21 / 0.19	0.49 / 0.44	47	24-06-B0144-S3 (2024)
LoE 270 / Clear / LoE 270	Triple	Argon	0.19	0.25 / 0.22	0.42 / 0.38	72	**26-06-B0062-S1 (2026)**
LoE 366 / Clear / LoE 366	Triple	Argon	0.18 / 0.19	0.19 / 0.17	0.36 / 0.32	72	**26-06-B0062-S1 (2026)**
LoE 366 / Clear / Clear	Triple	Argon	0.19	0.25	0.59	-	**Glass Testing**
LoE 180 / Clear / i89	Triple	Argon	0.17	0.58	0.71	-	**Glass Testing**
LoE 366 / Clear / i89	Triple	Argon	0.21	0.20 / 0.18	0.45 / 0.40	56	**26-06-B0062-S1 (2026)**
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.24	0.25	0.58	-	**Glass Testing**
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	-1	-1	-1	-1	---

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Veka							No Grids/With Grids
Single Slider (XO)							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.49	0.78	0.82	-	**Glass Testing**
LoE 270 / Clear	Dual	Air	0.31	0.37	0.70	-	**Glass Testing**
LoE 270 / Clear	Dual	Argon	0.26	0.37	0.70	-	**Glass Testing**
LoE 366 / Clear	Dual	Air	0.31	0.27	0.65	-	**Glass Testing**
LoE 366 / Clear	Dual	Argon	0.26	0.27	0.65	-	**Glass Testing**
Clear / Lami (8.6mm Impact)	Dual	Air	0.49	0.59 / 0.53	0.63 / 0.56	44	**W/B Estimate Testing**
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.31	0.29 / 0.26	0.54 / 0.48	57	**W/B Estimate Testing**
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.22 / 0.20	0.50 / 0.44	57	**W/B Estimate Testing**
LoE 180 / i89	Dual	Argon	0.26	0.48 / 0.43	0.58 / 0.52	47	24-06-B0144-S4 (2025)
LoE 366 / i89	Dual	Argon	0.25	0.20 / 0.19	0.48 / 0.42	48	24-06-B0144-S4 (2025)
LoE 270 / Clear / LoE 270	Triple	Argon	0.19	0.24 / 0.22	0.41 / 0.37	70	26-06-B0062-S2 (2026)
LoE 366 / Clear / LoE 366	Triple	Argon	0.19	0.18 / 0.17	0.35 / 0.31	70	26-06-B0062-S2 (2026)
LoE 366 / Clear / Clear	Triple	Argon	0.19	0.25	0.59	-	**Glass Testing**
LoE 180 / Clear / i89	Triple	Argon	0.17	0.58	0.71	-	**Glass Testing**
LoE 366 / Clear / i89	Triple	Argon	0.21	0.19 / 0.17	0.44 / 0.39	56	26-06-B0062-S2 (2026)
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.24	0.25	0.58	-	**Glass Testing**
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	-1	-1	-1	-1	---

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Veka							No Grids/With Grids
2-lite Slider (XX)							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.49	0.78	0.82	-	**Glass Testing**
LoE 270 / Clear	Dual	Air	0.31	0.37	0.70	-	**Glass Testing**
LoE 270 / Clear	Dual	Argon	0.26	0.37	0.70	-	**Glass Testing**
LoE 366 / Clear	Dual	Air	0.31	0.27	0.65	-	**Glass Testing**
LoE 366 / Clear	Dual	Argon	0.26	0.27	0.65	-	**Glass Testing**
Clear / Lami (8.6mm Impact)	Dual	Air	0.48	0.57 / 0.51	0.61 / 0.55	44	**W/B Estimate Testing**
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.25	0.46	61	M3664.03-116-45-r0 (2023)
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.30	0.21 / 0.19	0.48 / 0.43	60	**W/B Estimate Testing**
LoE 180 / i89	Dual	Argon	0.22	0.63	0.77	-	**Glass Testing**
LoE 366 / i89	Dual	Argon	0.21	0.27	0.63	-	**Glass Testing**
LoE 270 / Clear / LoE 270	Triple	Argon	0.16	0.31	0.54	-	**Glass Testing**
LoE 366 / Clear / LoE 366	Triple	Argon	0.16	0.24	0.47	-	**Glass Testing**
LoE 366 / Clear / Clear	Triple	Argon	0.19	0.25	0.59	-	**Glass Testing**
LoE 180 / Clear / i89	Triple	Argon	0.17	0.58	0.71	-	**Glass Testing**
LoE 366 / Clear / i89	Triple	Argon	0.16	0.24	0.58	-	**Glass Testing**
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.24	0.25	0.58	-	**Glass Testing**
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	-1	-1	-1	-1	---

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Veka							No Grids/With Grids
Double Hung							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.49	0.78	0.82	-	**Glass Testing**
LoE 270 / Clear	Dual	Air	0.31	0.37	0.70	-	**Glass Testing**
LoE 270 / Clear	Dual	Argon	0.26	0.37	0.70	-	**Glass Testing**
LoE 366 / Clear	Dual	Air	0.31	0.27	0.65	-	**Glass Testing**
LoE 366 / Clear	Dual	Argon	0.26	0.27	0.65	-	**Glass Testing**
Clear / Lami (8.6mm Impact)	Dual	Air	0.48 / 0.49	0.55 / 0.49	0.60 / 0.54	44	**W/B Estimate Testing**
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.31 / 0.33	0.28 / 0.25	0.51 / 0.46	58	**W/B Estimate Testing**
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.31 / 0.33	0.22 / 0.20	0.47 / 0.42	58	**W/B Estimate Testing**
LoE 180 / i89	Dual	Argon	0.22	0.63	0.77	-	**Glass Testing**
LoE 366 / i89	Dual	Argon	0.21	0.27	0.63	-	**Glass Testing**
LoE 270 / Clear / LoE 270	Triple	Argon	0.22	0.23 / 0.21	0.39 / 0.35	62	26-06-B0062-S4 (2026)
LoE 366 / Clear / LoE 366	Triple	Argon	0.22	0.17 / 0.16	0.33 / 0.30	62	26-06-B0062-S4 (2026)
LoE 366 / Clear / Clear	Triple	Argon	0.19	0.25	0.59	-	**Glass Testing**
LoE 180 / Clear / i89	Triple	Argon	0.17	0.58	0.71	-	**Glass Testing**
LoE 366 / Clear / i89	Triple	Argon	0.24	0.18 / 0.16	0.41 / 0.37	56	26-06-B0062-S4 (2026)
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.24	0.25	0.58	-	**Glass Testing**
LoE 366 / Lami (8.6mm Impact) i89	Triple	Argon	-1	-1	-1	-1	---

Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).



Thyris 4500							No Grids/With Grids
Tilt/Turn and Inswing Casement & Outswing Awning							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.44	0.51 / 0.46	0.54 / 0.48	47	30907.06-111-24
LoE 270 / Clear	Dual	Air	0.32	0.25 / 0.23	0.46 / 0.41	61	30907.06-111-24
LoE 270 / Clear	Dual	Argon	0.29	0.25	0.46	63	30907.06-111-24
LoE 366 / Clear	Dual	Air	0.32	0.19 / 0.17	0.43 / 0.38	60	30907.06-111-24
LoE 366 / Clear	Dual	Argon	0.29	0.19	0.43	61	30907.06-111-24
Clear / Lami (8.6mm Impact)	Dual	Air	0.42	0.49 / 0.43	0.53 / 0.47	47	30907.06-111-24
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.28	0.25 / 0.22	0.45 / 0.40	63	30907.06-111-24
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.19	0.41	60	30907.06-111-24
LoE 180 / i89	Dual	Argon	0.26	0.42 / 0.38	0.52 / 0.46	49	30907.06-111-24
LoE 366 / i89	Dual	Argon	0.25	0.18	0.42	49	30907.06-111-24
LoE 270 / Clear / LoE 270	Triple	Argon	0.20	0.21	0.36	66	30907.06-111-24
LoE 366 / Clear / LoE 366	Triple	Argon	0.22	0.16	0.31	67	30907.06-111-24
LoE 366 / Clear / Clear	Triple	Argon	0.24	0.17	0.39	66	30907.06-111-24
LoE 180 / Clear / i89	Triple	Argon	0.24	0.38	0.47	53	30907.06-111-24
LoE 366 / Clear / LoE 180	Triple	Argon	0.2	0.17	0.38	66	30907.06-111-24
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.31	0.16	0.34	64	30907.06-111-24



Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris)

Thyris 4500							No Grids/With Grids
Picture Window							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.46	0.61 / 0.55	0.65 / 0.58	47	30903.06-111-24
LoE 270 / Clear	Dual	Air	0.32	0.30 / 0.27	0.56 / 0.50	60	30903.06-111-24
LoE 270 / Clear	Dual	Argon	0.28	0.30	0.56	63	30903.06-111-24
LoE 366 / Clear	Dual	Air	0.31	0.22 / 0.20	0.52 / 0.46	60	30903.06-111-24
LoE 366 / Clear	Dual	Argon	0.28	0.22	0.52	61	30903.06-111-24
Clear / Lami (8.6mm Impact)	Dual	Air	0.44	0.58 / 0.52	0.64 / 0.57	47	30903.06-111-24
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.27	0.29 / 0.27	0.55 / 0.49	63	30903.06-111-24
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.28	0.22	0.49	59	30903.06-111-24
LoE 180 / i89	Dual	Argon	0.24	0.51 / 0.46	0.62 / 0.56	50	30903.06-111-24
LoE 366 / i89	Dual	Argon	0.23	0.22	0.50	49	30903.06-111-24
LoE 270 / Clear / LoE 270	Triple	Argon	0.18	0.25	0.43	67	30903.06-111-24
LoE 366 / Clear / LoE 366	Triple	Argon	0.2	0.19	0.37	68	30903.06-111-24
LoE 366 / Clear / Clear	Triple	Argon	0.22	0.2	0.47	67	30903.06-111-24
LoE 180 / Clear / i89	Triple	Argon	0.22	0.46	0.57	52	30903.06-111-24
LoE 366 / Clear / LoE 180	Triple	Argon	0.17	0.2	0.46	67	30903.06-111-24
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.28	0.21	0.46	63	30903.06-111-24



Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris)

Thyris 4500							No Grids/With Grids
Swing Door							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
Clear / Clear	Dual	Air	0.43	0.45 / 0.39	0.47 / 0.40	53	P2932.09-116-45-r0
LoE 270 / Clear	Dual	Air	0.33	0.22 / 0.19	0.40 / 0.34	62	P2932.09-116-45-r0
LoE 270 / Clear	Dual	Argon	0.30	0.22 / 0.19	0.40 / 0.34	65	P2932.09-116-45-r0
LoE 366 / Clear	Dual	Air	0.33	0.17 / 0.15	0.37 / 0.31	62	P2932.09-116-45-r0
LoE 366 / Clear	Dual	Argon	0.30	0.16 / 0.14	0.37 / 0.31	65	P2932.09-116-45-r0
Clear / Lami (8.6mm Impact)	Dual	Air	0.42	0.49 / 0.43	0.53 / 0.47	47	(T/T) 30903.06-111-24
LoE 270 / Lami (8.6mm Impact)	Dual	Argon	0.28	0.25 / 0.22	0.45 / 0.40	63	(T/T) 30903.06-111-24
LoE 366 / Lami (8.6mm Impact)	Dual	Argon	0.29	0.23 / 0.20	0.36 / 0.31	66	P2932.09-116-45-r0
LoE 366 / Lami (8.6mm Impact) i89	Dual	Air	0.26	0.16 / 0.14	0.35 / 0.30	54	P2932.09-116-45-r0
LoE 180 / i89	Dual	Argon	0.28	0.36 / 0.31	0.44 / 0.37	52	P2932.09-116-45-r0
LoE 366 / i89	Dual	Argon	0.27	0.16 / 0.14	0.36 / 0.30	53	P2932.09-116-45-r0
LoE 270 / Clear / LoE 270	Triple	Argon	0.25	0.19	0.31	68	P2932.09-116-45-r0
LoE 366 / Clear / LoE 366	Triple	Argon	0.22	0.14	0.26	67	P2932.09-116-45-r0
LoE 366 / Clear / Clear	Triple	Argon	0.26	0.15	0.33	67	P2932.09-116-45-r0
LoE 180 / Clear / i89	Triple	Argon	0.24	0.38	0.47	53	(T/T) 30903.06-111-24
LoE 366 / Clear / LoE 180	Triple	Argon	0.23	0.15	0.32	67	P2932.09-116-45-r0
LoE 366 / Clear / Lami (8.6mm Impact)	Triple	Argon	0.27	0.15	0.33	67	P2932.09-116-45-r0



Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).

Artevo							No Grids/With Grids
Picture Window							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
LoE 270 / Clear / LoE 180	Triple	Argon	0.15	0.31	0.51	76	Q9039.02-116-45 R0
LoE 180 / Clear / LoE 180	Triple	Argon	0.16	0.46	0.57	76	Q9039.02-116-45 R0
SB70 / SB70 / IS-20	Triple	Argon	0.13	0.16	0.35	64	Q9039.02-116-45 R0
SB60 / SB60 / IS-20	Triple	Argon	0.14	0.25	0.46	64	Q9039.02-116-45 R0



Stergis Thermal Testing Summary (Windgate -- Stormgate -- Thyris).

Artevo							No Grids/With Grids
Tilt/Turn							NFRC CERTIFICATION: N
Glass Type	Dual / Triple	Air / Argon	U-Factor	SHGC	VT	CRF	Data
LoE 270 / Clear / LoE 180	Triple	Argon	0.16	0.26	0.43	79	Q9041.03-116-45 R0
LoE 180 / Clear / LoE 180	Triple	Argon	0.16	0.38	0.47	79	Q9041.03-116-45 R0
SB70 / SB70 / IS-20	Triple	Argon	0.14	0.14	0.29	67	Q9041.03-116-45 R0
SB60 / SB60 / IS-20	Triple	Argon	0.14	0.21	0.39	66	Q9041.03-116-45 R0