

**Therma-Tru Slimline Sliding Patio Door**

Configuration	Door Width	Door Height	Design Pressure psf	Air Infiltration scfm/ft2	Water Reistance psf	Structural Load psf	Performance Rating	Operating Force lbs.
F	2/6	6/6	DP 50	0.08	7.50	+/- 75	F-R50-33x80	NA
F	3/0	6/6	DP 50	0.08	7.50	+/- 75	F-R50-39x80	NA
F	4/0	6/6	DP 40	0.00	9.00	+/- 60	F-R40-51x80	NA
F	2/6	8/0	DP 50	0.12	9.75	+/- 75	F-R50-33x96	NA
F	3/0	8/0	DP 50	0.12	9.75	+/- 75	F-R50-39x96	NA
F	4/0	8/0	DP +30 -35	0.00	9.00	+45 -52.5	F-R30-51x96	NA
LF / FR	2/6	6/6	DP 50	0.08	7.50	+/- 75	SGD-R50-60x80	20 / 8
LF / FR	3/0	6/6	DP 50	0.08	7.50	+/- 75	SGD-R50-72x80	20 / 8
LF / FR	4/0	6/6	DP +45 -50	0.02	7.50	+67.5 - 75	SGD-R45-96x80	28 / 11
LF / FR	2/6	8/0	DP 50	0.12	9.75	+/- 75	SGD-R50-60x96	28 / 8
LF / FR	3/0	8/0	DP 50	0.12	9.75	+/- 75	SGD-R50-72x96	28 / 8
LF / FR	4/0	8/0	DP 35	0.01	7.50	+/- 52.5	SGD-R35-96x96	28 / 12
LFF / FFR	3/0	6/6	DP 35	0.16	6.00	+/- 52.5	SGD-R35-107x80	24 / 9
LFF / FFR	4/0	6/6	DP +35 -40	0.00	6.00	+52.5 -60	SGD-R35-143x80	26 / 12
LFF / FFR	3/0	8/0	DP 30	0.01	7.50	+/- 45	SGD-R30-107x96	28 / 12
LFF / FFR	4/0	8/0	DP 30	0.01	6.00	+/- 45	SGD-R30-143x96	29 / 14
FLF / FRF	3/0	6/6	DP 50	0.08	7.50	+/- 75	SGD-R50-110x80	21 / 12
FLF / FRF	4/0	6/6	DP +30 -35	0.01	6.00	+45 -52.5	SGD-R30-146x80	24 / 11
FLF / FRF	3/0	8/0	DP 50	0.12	9.75	+/- 75	SGD-R50-110x96	28 / 8
FLF / FRF	4/0	8/0	DP 25	0.01	6.00	+/- 37.5	SGD-R25-146x96	28 / 14
FRLF	2/6	6/6	DP +35 -40	0.02	6.00	+52.5 -60	SGD-R35-116x80	20 / 9
FRLF	3/0	6/6	DP +35 -40	0.02	6.00	+52.5 -60	SGD-R35-140x80	20 / 9
FRLF	2/6	8/0	DP 30	0.01	6.00	+/-45	SGD-R30-116x96	22 / 11
FRLF	3/0	8/0	DP 30	0.01	6.00	+/- 45	SGD-R30-140x96	22 / 11

Comments	U-Factor btu/hr sqft F	Solar Heat Gain Coefficient	Visible Light Transmittance	Energy Star	STC
Low-E Without GBG's	0.34	0.30	0.54	N/NC/SC/S	27
Low-E With GBG's	0.34	0.27	0.48	N/NC/SC/S	27

**Therma-Tru Slimline Sliding Patio Door with Transoms**

Configuration	Door Width	Door Height	Design Pressure psf	Air Infiltration scfm/ft2	Water Resistance psf	Structural Load psf	Performance Rating	Operating Force lbs.
F	2/6	6/6	DP 30	0.01	9.00	+/- 45	F-R30-33x96	NA
F	3/0	6/6	DP 30	0.01	9.00	+/- 45	F-R30-39x96	NA
F	4/0	6/6	DP 30	0.01	9.00	+/- 45	F-R30-51x96	NA
F	2/6	8/0	DP 30	0.01	9.00	+/- 45	F-R30-33x112	NA
F	3/0	8/0	DP 30	0.01	9.00	+/- 45	F-R30-39x112	NA
F	4/0	8/0	DP 30	0.01	9.00	+/- 45	F-R30-51x112	NA
LF / FR	2/6	6/6	DP 30	0.00	4.50	+/- 45	SGD-R30-60x96	27 / 12
LF / FR	3/0	6/6	DP 30	0.00	4.50	+/- 45	SGD-R30-72x96	27 / 12
LF / FR	4/0	6/6	DP 30	0.00	4.50	+/- 45	SGD-R30-96x96	27 / 12
LF / FR	2/6	8/0	DP 30	0.00	4.50	+/- 45	SGD-R30-60x112	27 / 12
LF / FR	3/0	8/0	DP 30	0.00	4.50	+/- 45	SGD-R30-72x112	27 / 12
LF / FR	4/0	8/0	DP 30	0.00	4.50	+/- 45	SGD-R30-96x112	27 / 12
LFF / FFR	3/0	6/6	DP 35	0.01	7.50	+/- 52.5	SGD-R35-107x96	26 / 12
LFF / FFR	4/0	6/6	DP 30	0.01	7.50	+/- 45	SGD-R30-143x96	25 / 11
LFF / FFR	3/0	8/0	DP 35	0.00	6.00	+/- 52.5	SGD-R35-107x112	18 / 12
LFF / FFR	4/0	8/0	DP 20	0.02	6.00	+/- 30	SGD-R20-143x112	27 / 15
FLF / FRF	3/0	6/6	DP 20	0.01	7.50	+/- 30	SGD-R20-110x96	22 / 13
FLF / FRF	4/0	6/6						24 / 15
FLF / FRF	3/0	8/0	DP 20	0.01	7.50	+/- 30	SGD-R20-110x112	22 / 13
FLF / FRF	4/0	8/0						24 / 15
FRLF	2/6	6/6	DP 30	0.01	7.50	+/- 45	SGD-R30-116x96	22 / 10
FRLF	3/0	6/6	DP 30	0.01	7.50	+/- 45	SGD-R30-140x96	22 / 10
FRLF	2/6	8/0	DP 20	0.02	7.50	+/- 30	SGD-R20-116x112	26 / 13
FRLF	3/0	8/0	DP 20	0.02	7.50	+/- 30	SGD-R20-140x112	26 / 13

Comments	U-Factor btu/hr sqft F	Solar Heat Gain Coefficient	Visible Light Transmittance	Energy Star	STC
Low-E Without GBG's	0.40	0.26	0.44	NC/SC/S	27
Low-E With GBG's	0.40	0.23	0.39	NC/SC/S	27

\*Thermal properties listed above are for the Transoms only

Test Results Pending

Configuration F = Fixed. LF = Double left panel active. FR = Double right panel active. LFF = Triple continuous left panel active. FFR = Triple continuous right panel active. FLF = Triple mulled center panel active left hand. FRF = Triple mulled center panel active right hand. FRLF = Four panel continuous left and right center panels active

Design Pressure ( Pounds per square foot ) Determined by the lowest of the Air Infiltration, Water Resistance and Structural Load values

Air Infiltration ( Standard cubic feet per minute per square foot ) Tested in accordance with ASTM E283 at a test pressure of 1.57 psf. Allowable air infiltration - 0.30 scfm/ft2

Water Resistance ( Pounds per square foot ) All listed Therma-Tru Patio Systems have been tested to Optional Higher Water Resistance Performance Levels Tested in accordance with ASTM E547 at 5 gal/hr-ft2 - 4 five minute cycles. Allowable water penetration - none

Structural Load ( Pounds per square foot ) All listed Therma-Tru Patio Systems have been tested to Optional Higher Uniform Structural Load Performance Levels Tested in accordance with ASTM E330 at 150% of design pressure

Operating Forces ( Pounds Force ) First value reports force to open / second value reports force to keep in motion Allowable maximum operating forces - 30 / 20

U-Factor ( British Thermal Units per hour per square foot per degree's Fahrenheit ) U-Factor determined in accordance with NFRC 100 Tested by an NFRC accredited testing laboratory. All listed Therma-Tru Patio System U-Factor values are NFRC Certified

Solar Heat Gain SHGC determined in accordance with NFRC 200 Tested by an NFRC accredited testing laboratory. All listed Therma-Tru Patio System SHGC values are NFRC Certified

Visible Light Visible Light Transmittance determined in accordance with NFRC 200 Tested by an NFRC accredited testing laboratory. All listed Therma-Tru Patio System VLT values are NFRC Certified

Energy Star N = Northern Climate Zone. NC = North Central Climate Zone. SC = South Central Climate Zone. S = Southern Climate Zone All listed Therma-Tru Patio Systems exceed Energy Star requirements for all Climate Zones except for SPD with clear glass

Sound Transmission Manufacturers estimated Sound Transmission Class values based on Independent Test Laboratory reports of similar Therma-Tru Patio Systems

All listed as Certified Therma-Tru Patio Systems have been tested by an approved independent laboratory, comply with ANSI/AAMA/NWWD 101/I.S.2 and are certified by an approved certification and inspection agency