



STERGIS STRUCTURAL TEST SUMMARY

PLATINUM 1100 SLIDING PATIO DOORS & ATRIUM/FRENCH SWING DOORS	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	SGD R35-R65
Air infiltration: @ 1.56psf Astm E283	.17 cfm /ft.
Water Penetration: @ 5.25 psf Astm E547	No Entry
Uniform Structural Load @ 50psf (exterior)	No damage
Astm E300 @ 50psf (interior)	No damage

STERGIS REHAU 4500 SERIES TILT TURN, SWING, PROJECT IN/OUT	
Structural Rating: ANSI/AAMA 101-93 DP50	LC-CW 80
Air infiltration: @ 1.56psf Astm E283	10cfm /ft.
Water Penetration: @ 5.25psf Astm E547	No Entry
Uniform Structural Loa @ 50psf (exterior)	No damage
Astm E300 @ 50psf (interior)	No damage

BELMONT REPLACEMENT DOUBLE HUNG	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R35 – R50
Air infiltration: @ 1.56 psf (25 mph)	.14 cfm /ft2
Water Penetration: @ 6 psf	No Entry
Uniform Structural Load: @ 40 psf	No Damage
Uniform Load Deflection: @ 60 psf	No Damage
Deglazing	Pass
Forced Entry Resistance	Pass L 10

BELMONT REPLACEMENT PICTURE WINDOW	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	C50-C80
Air Infiltration: @ 1.56 psf (25 mph)	0.02cfm/ft2
Water Penetration: @ 15 psf	No Entry
Uniform Structural Load @ 75 psf/interior	No Damage

BELMONT REPLACEMENT CASEMENT/AWNING	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R50 – LC 55
Air infiltration :@ 1.56 psf	.04 cfm /ft2
Water Penetration :@ 12.00 psf	No Entry
Uniform Structural Load :@ 6.0 psf	No Damage
Uniform Load Deflection : @ 4.0 psf	No Damage
Deglazing	Pass
Forced Resistance	Pass

BELMONT REPLACEMENT SLIDING WINDOW	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R 25 – R50
Air infiltration: @ 1.56 psf (25 mph)	0.13 fm / t2
Water Penetration: @ 5.25 psf	No Entry
Uniform Structural Load: @ 5.25 psf	No Damage
Uniform Load Deflection @ 35 psf	No Damage
Deglazed	Pass
Forced Entry Resistance	Pass

Stergis reserves the right to change and modify any test data without written notice. Testing is done all year long on over 200 product variations so it is likely that newer dated or revised data is available. Please see www.stergis.com or contact your inside customer service sales@stergis.com for the latest information



STERGIS STRUCTURAL TEST SUMMARY

WINDGATE NEW CONSTRUCTION DOUBLE HUNG	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R35 – R50
Air infiltration: @ 1.56 psf (mph)	0.14 cfm/ft2
Water Penetration: @ 6 psf	No Entry
Uniform Structural Load: @ 40 psf	No Damage
Uniform Load Deflection: @ 60 psf	No Damage
Deglazing	Pass
Forced Entry Resistance	Pass L 10

WINDGATE NEW CONSTRUCTION SINGLE HUNG	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R35 – R50
Air infiltration: @ 1.56 psf (mph)	0.14 cfm/ft2
Water Penetration: @ 6 psf	No Entry
Uniform Structural Load: @ 40 psf	No Damage
Uniform Load Deflection: @ 60 psf	No Damage
Deglazing	Pass
Forced Entry Resistance	Pass L

WINDGATE NEW CONSTRUCTION PICTURE/TRANSOM WINDOW	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	C50 – C80
Air Infiltration: @ 1.56 psf (25 mph)	.02 cfm/ ft ²
Water Penetration: @ 15 psf	No Entry
Uniform Structural Load @ 75 psf/interior	No Damage

WINDATE NEW CONSTRUCTION CASEMENTS/AWNINGS	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R50-LC-55
Air infiltration :@ 1.56 psf	0.04 cfm/ft2
Water Penetration :@ 12.00 psf	No Entry
Uniform Structural Load :@ 6.0 psf	No Damage
Uniform Load Deflection : @ 4.0 psf	No Damage
Deglazing	Pass
Forced Resistance	Pass

WINDGATE NEW CONSTRUCTION SLIDING WINDOW	
Structural Rating: AAMA/WDMA/CSA 101/IS2/A440-05	R 25 – R 50
Air infiltration: @ 1.56 psf (25 mph)	0.13 fm / t2
Water Penetration: @ 5.25 psf	No Entry
Uniform Structural Load: @ 5.25 psf	No Damage
Uniform Load Deflection @ 35 psf	No Damage
Deglazed	Pass
Forced Entry Resistance	Pass

STORMGATE IMPACT NEW CONSTRUCTION DOUBLE HUNG	
Structural Rating: ASTM E1886/E1966-02	DP50
Structural Pressure	75.00 psf
Air infiltration:	0.10cfm /ft2
Water Penetration: @ 7.50 psf	No Entry
Deglazing	Pass
Forced Entry Resistance	Pass L

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STORMGATE IMPACT NEW CONSTRUCTION SINGLE HUNG	
Structural Rating: ASTM E1886/E1966-02	DP50
Structural Pressure	75.00 psf
Air infiltration:	0.17 cfm /ft2
Water Penetration: @ 7.50 psf	No Entry
Deglazing and Forced Entry Resist	Pass

STORMGATE IMPACT NEW CONST PICTURE/TRANSOM WINDOW	
Structural Rating: ASTM E1886/E1966-02	DP80
Air Infiltration:	0.01 cfm/ft2
Water Penetration: @ 12psf	No Entry
Structural Pressure	120. psf
Deglazing and Forced Entry Resist	Pass

STORMGATE IMPACT NEW CONSTRUCTION CASEMENT/AWNINGS	
Structural Rating: ASTM E1886/E1966-02	LC-55
Structural Pressure	75.00 psf
Air infiltration :	0.04 cfm/ft2
Water Penetration :@ 9.75 psf	No Entry
Deglazing and Forced Entry Resist	Pass

STORMGATE IMPACT NEW CONSTRUCTION SLIDING WINDOW	
Structural Rating: ASTM E1886/E1966-02	DP 50
Structural Pressure	75.00psf
Air infiltration: @ 1.56 psf (25 mph)	0.17 fm / t2
Water Penetration: @ 7.50 psf	No Entry
Deglazing and Forced Entry Resist	Pass

STERGIS VEKA SINGLE HUNG NEW CONSTRUCTION	
Structural Rating: ASTM E1886/E1966-02	R40 to CW50
Structural Pressure	75.00 psf
Air infiltration :	0.04 cfm/ft2
Water Penetration: @ 9.75 psf	No Entry
Deglazing and Forced Entry Resist	Pass

STERGIS VEKA DOUBLE HUNG NEW CONSTRUCTION	
Structural Rating: ASTM E1886/E1966-02	R40 to CW50
Structural Pressure	75.00psf
Air infiltration: @ 1.56 psf (25 mph)	0.17 fm / t2
Water Penetration: @ 7.50 psf	No Entry
Deglazing and Forced Entry Resist	Pass

Rev.0218a