

ALUMINUM THERMALLY CONTROLLED SLIDING DOOR SYSTEM

PRODUCT TYPE: ALUMINUM THERMALLY CONTROLLED MULTI SLIDE DOOR
 SERIES/MODEL: ALUMINUM THERMALLY CONTROLLED
 DESCRIPTION: ALUMINUM CORE WITH THERMAL BREAKS
 SILL TYPE: WEATHER RESISTANT SILL WITH 2 5/16" LEG HEIGHT
 PANEL SIZE: 60" x 96"

Weather Resistant Sill Test Results			
TEST DESCRIPTION		MEASURED	ALLOWED
Operating Force - Breakaway ASTM-E 2068	Breakaway Operation	8.1 lbf 6.3 lbf	30.35 lbf 20.23 lbf
Latching Device	Open & Close	0.9 lbf	22.48 lbf
Air Infiltration Result ASTM-E 283	1.57 psf	0.15 CFM/FT ²	0.03 CFM/FT ²
Water Infiltration Result ASTM-E 547	6.8 psf DP 45	No Leakage	No Leakage
Uniform Load Deflection ASTM-E 330	++45.0 psf DP 45	0.22" Positive 0.30" Negative	Report Only Report Only
Uniform Load Overload ASTM-E 330	++67.5 psf DP 45	0.11" Positive 0.12" Negative	0.38" Positive 0.38" Negative
Uniform Load Structural ASTM-E 330	+90.0 psf	No Damage	No Damage
Overall DP Rating	DP 45		

NFRC RATINGS | THERMAL PERFORMANCE
 PANEL SIZE: ALL SIZES

Type of Glass (1 lite)	Overall Glass Thickness	U-Factor	SHGC	VT
AIR FILLED				
Clear - Air - Clear	11/16"	0.60	0.57	0.61
E180 - Air - Clear	11/16"	0.49	0.48	0.59
E272 - Air - Clear	11/16"	0.48	0.32	0.53
E270 - Air - Clear	11/16"	0.48	0.29	0.52
E366 - Air - Clear	11/16"	0.48	0.22	0.48
ARGON FILLED				
Clear - Argon - Clear	11/16"	0.58	0.57	0.61
E180 - Argon - Clear	11/16"	0.44	0.48	0.59
E272 - Argon - Clear	11/16"	0.44	0.32	0.53
E270 - Argon - Clear	11/16"	0.44	0.28	0.52
E366 - Argon - Clear	11/16"	0.43	0.22	0.48
SB60 - Argon - Clear	1-1/16"	0.42	0.30	0.53
SB70 - Argon - Clear	1-1/16"	0.42	0.21	0.48
ARGON FILLED WITH i89				
E272 - Argon - i89	1-1/16"	0.38	0.31	0.52
E270 - Argon - i89	1-1/16"	0.38	0.27	0.50
E366 - Argon - i89	1-1/16"	0.38	0.21	0.46

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Type of Glass (1 lite)	Overall Glass Thickness	U-Factor	SHGC	VT
TRIPLE GLAZED - ARGON FILLED				
E366 - E180 - i89	1 1/16"	0.34	0.19	0.41
E366 - Clear - E366	1 1/16"	0.36	0.18	0.35