

# Hinged Patio Systems Performance Data

Therma-Tru Product	Design Pressure Ratings	AAMA/WDMA 101/ I.S.2	Air Infiltration (scfm/ft2)	Water Resistance (psf)	Structural Load (psf)	Florida Building Code Approval Numbers
<b>Fiber-Classic and Smooth-Star Tru-Defense Hinged Patio doors<sup>†</sup></b>						
Inswing (I/S)	3068, L/R/F	DP-45	HGD-LC45-75x82	0.04	6.75	± 97.5
	6068, LF/FR/FL/RF/FF	DP-45	HGD-LC45-75x82	0.04	6.75	± 97.5
	6068, LA/AR	DP-40	HGD-LC40-75x82	0.07	6.00	± 60.0
	9068, FRF/FLF/RFF/FFL	DP-45	HGD-LC45-112x82	0.02	6.75	± 90.0
	9068, LFF/FFR/FFF	DP-45	HGD-LC45-112x82	0.02	6.75	± 90.0
	3080, L/R/F	DP-45	HGD-LC45-75x98	0.01	6.75	± 82.5
	6080, LF/FR/FL/RF/FF	DP-45	HGD-LC45-75x98	0.01	6.75	± 97.5
	6080, LA/AR	DP-40	HGD-LC40-75x98	0.09	6.00	± 60.0
	9080, FRF/FLF/RFF/FFL	DP-45	HGD-LC45-112x98	0.02	6.75	± 82.5
	9080, LFF/FFR/FFF	DP-45	HGD-LC45-112x98	0.02	6.75	± 82.5
Outswing (O/S)	3066,3068, L/R/F	DP-60	SHD-LC60-112x82	0.01	12.00	± 90.0
	6066,6068, LF/FR/FL/RF/FF	DP-60	SHD-LC60-112x82	0.01	12.00	± 90.0
	6066,6068, AL/RA	DP-70	SHD-LC70-75x82	0.01	12.00	±105.0
	9066,9068, FRF/FLF/RFF/FFL	DP-60	SHD-LC60-112x82	0.01	12.00	± 90.0
	9066,9068, LFF/FFR/FFF	DP-60	SHD-LC60-112x82	0.01	12.00	± 90.0
	30710,3080, L/R/F	DP-60	SHD-LC60-112x98	0.01	12.00	± 90.0
	60710,6080, LF/FR/FL/RF/FF	DP-60	SHD-LC60-112x98	0.01	12.00	± 90.0
	60710,6080, AL/RA	DP-50	SHD-LC50-75x98	0.01	12.00	± 75.0
	9066,9068, FRF/FLF/RFF/FFL	DP-60	SHD-LC60-112x98	0.01	12.00	± 90.0
	9066,9068, LFF/FFR/FFF	DP-60	SHD-LC60-112x98	0.01	12.00	± 90.0

Energy Performance	U-Factor BTU/hrft <sup>2</sup> F	Solar Heat Gain Coefficient	2010 Energy Star Qualified	STC/OITC	
<b>Fiber-Classic and Smooth-Star Tru-Defense Hinged Patio doors</b>					
Low-E Without GBG's	0.26	0.14	N/NC/SC/S	26/24	
Low-E With GBG's	0.27	0.12	N/NC/SC/S	26/24	
<b>PDF Hinged Patio doors</b>					
20 x 64 22 x 64	Clear Without GBG's	0.34	0.23	-	*26/24
	Clear With GBG's	0.34	0.19	-	*26/24
	Low-E Without GBG's	0.29	0.17	N/NC/SC/S	*26/24
	Low-E With GBG's	0.28	0.13	N/NC/SC/S	*26/24
16 x 64	Clear Without GBG's	0.30	0.18	N/NC/SC/S	*26/24
	Clear With GBG's	0.30	0.18	N/NC/SC/S	*26/24
	Low-E Without GBG's	0.26	0.13	N/NC/SC/S	*26/24
	Low-E With GBG's	0.25	0.10	N/NC/SC/S	*26/24

† Multipoint lock must be selected to achieve the Certified results

<b>Design Pressure / Performance Grade</b>	( Pounds per square foot ) Determined by the lowest of the Water Resistance and Structural Load values
<b>Air Infiltration</b>	( 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
<b>Water Resistance</b>	( 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
<b>Structural Load</b>	( 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
<b>U-Factor</b>	( British Thermal Units per hour per square foot per degree 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
<b>Solar Heat Gain</b>	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
<b>Visible Light</b>	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
<b>Energy Star</b>	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
<b>STC / OITC</b>	*Manufacturers estimated Sound Transmission Class values based on Independent Test Laboratory reports of similar Therma-Tru Patio Systems

GBG—Grill behind Glass