

# Firma™ Patio Door Systems

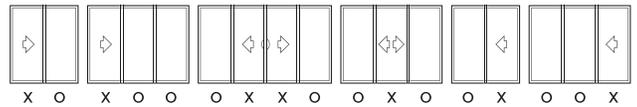


## Versatile design, contemporary look

The Firma Patio Door is engineered for new construction and replacement, and features smooth, easy operation. It ships fully assembled and is easy to install. Each door system is built to order with the shortest lead-time in the industry. Available in Eclipse, White, Almond, Clay, or Black exterior with White interior.



- 5-1/2" frame depth
  - 1-3/8" nail-fin for new construction
  - Block frame for standard replacement installation
  - Snap on Flush Fin attachment for replacement in flat siding or stucco. In white and black colors only
- Welded multi-chambered SunShield PVC frame and sash
- Available in 2, 3, or 4 panel systems



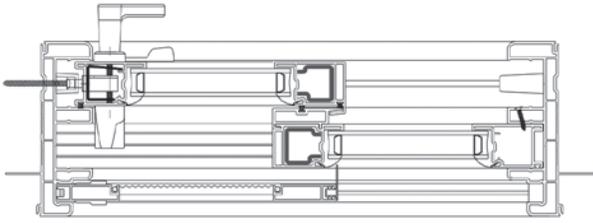
- An accessory J-Channel can be added to any standard frame window or door
- 6/8, 6/10 or 8/0 tall by up to 12/0 wide
- 7/8" overall dual-glazed or 1" overall triple-glazed Tempered Insulated Glass units. Argon gas is standard
- Steel reinforced to provide strength and structural stability
- Single mortise lockset color matched to the unit is standard
  - Double-bolt upgrade available as an option
  - Keyed-lock available as an option
- Extruded aluminum screen is standard with every door
- Limited Lifetime Warranty

**Performance Ranges**

**Structural**  
NAFS: Up to LC-PG35

**Thermal**  
U Factor: Down to .21

**Acoustical**  
STC: Up to 30db



## Omega Patio Door Lock Handle

The Omega Patio Door Lock Handle is color-matched in White, Black, Clay or Almond durable powder coat finish.



## Firma Patio Door System Screen

Available in White, Black, Almond and Clay

Extruded Aluminum with Charcoal Fiberglass Screen

- 1-1/4" Nylon Rollers
- Basic Handle
- 5/8" Pile Bug-flap



# Signature™ series Thermal Value Results

Series	Config	Class 1	Spacer	Class 2	U-Value	SHGC	VLT	CR	STC
330 PW	PW	LE	ARG	CL	0.27	0.34	0.62	63	30
330 PW	PW	LE	ARG	IS20	0.23	0.30	0.59	51	30
330 PW	PW	LE+	ARG	CL	0.27	0.21	0.48	62	30
330 PW	PW	LE+	ARG	IS20	0.23	0.21	0.47	51	30
330 SH, SL	SH	LE	AIR	CL	0.33	0.28	0.54	56	31
330 SH, SL	SH	LE	ARG	CL	0.30	0.28	0.54	59	31
330 SH, SL	SH	LE	ARG	IS20	0.26	0.27	0.53	49	31
330 SH, SL	SH	LE+	ARG	CL	0.30	0.21	0.48	59	31
330 SH, SL	SH	LE+	ARG	IS20	0.26	0.20	0.47	49	31
330 SH, SL	SH	LE+	ARG	IS20	0.26	0.20	0.47	49	31
330 SH, SL	SL	LE	AIR	CL	0.33	0.28	0.55	57	31
330 SH, SL	SL	LE	ARG	CL	0.29	0.28	0.55	60	31
330 SH, SL	SL	LE	ARG	IS20	0.26	0.27	0.53	50	31
330 SH, SL	SL	LE+	ARG	CL	0.29	0.21	0.48	60	31
330 SH, SL	SL	LE+	ARG	IS20	0.26	0.20	0.47	50	31

WW Standard IGU consisting of dual double strength glass, LowE/Clr, Argon 90, Warm-edge spacer.

# Firma™ Thermal Value Results

Patio Door System

Series	Config	Class 1	Spacer	Class 2	Spacer	Class 3	U-Value	SHGC	VLT	CR	STC
159 PD	Patio Slider	LE	ARG	CL	X	X	0.28	0.29	0.56	61	30
159 PD	Patio Slider	LE	ARG	IS20	X	X	0.24	0.28	0.54	50	30
159 PD	Patio Slider	LE+	ARG	CL	X	X	0.28	0.21	0.50	61	30
159 PD	Patio Slider	LE+	ARG	IS20	X	X	0.24	0.20	0.50	61	30
159 PD	Patio Slider	LE+	ARG	CL	ARG	LE+	0.21	0.18	0.34	65	N/A

WW Standard IGU consisting of dual double strength glass, LowE/Clr, Argon 90, Warm-edge spacer.

## Abbreviation Meaning

AIR	The earth's atmosphere consisting primarily of Nitrogen, Oxygen and Argon
ARG	Argon gas
AW	Awning window
CL	Clear glass
CR	Condensation resistance
CS	Casement window
FS	Fixed sash window for equal sight-lines
IS20	A hard-coat applied to the interior surface to enhance thermal insulation
LE	LowE soft coat of 2 applications of silver to the glass
LE+	LowE soft coat of 3 applications of silver to the glass
PW	Picture window
SH	Single hung window
SHGC	Solar Heat Gain Coefficient
SL	Slider window
STC	Sound Transmission Class
VLT	Visible Light Transmission

