



*High Performance Impact
Commercial Windows and Doors*

Fixed

Casements

Project Out

Single Hung

Horizontal Sliders

Window Wall

Sliding Glass Doors

Terrace Doors

Glass Handrails

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Sun Metals Systems

Sun Metals Systems is an innovative manufacturer of commercial glazing systems that meet the high-performance demands of the Continental U.S.. The company offers a comprehensive line of hurricane-resistant products, including architectural windows, doors and curtain wall systems, that meet even the most demanding specifications.

All Sun Metal systems are designed in-house with a focus on quality and cost, resulting in maintenance-free, cost-competitive products. Sun Metals is also committed to meeting and exceeding energy efficiency standards. Its thermally broken systems, insulated glass makeups and high-performance glass coatings offer customers the highest energy performance possible.

The Sun Metals Advantage

At Sun Metals, our business philosophy is simple: we provide high-quality glazing solutions at competitive prices with unparalleled customer support.

Sun Metals offer three distinct advantages that sets us apart from the rest:

1. Unitized Systems

Sun Metals unitized systems offer customers outstanding quality, rapid installation and superior system performance. Fabrication, assembly and even glass installation occurs in our own factory environment, allowing us to carefully control the quality of our products.

Installing the assembled units is simple, reducing field installation time and overall project cost. Once installed, Sun Metals unitized systems offer significantly greater performance than a stick-built system, including better movement load bearing capacity and water penetration resistance, all for a competitive price.

2. In-House Product Design

Having an in-house product design and engineering team means we control every aspect of our products, from concept through fabrication, guaranteeing our customers the high-quality systems they have come to expect of Sun Metals.

Not only does the Sun Metals design team create our own standard product lines, but it is also available to help customers with any project, from simple to complex. Want to know how a system will fit within your current project? Or find out if a certain design will meet code requirements? Our in-house team has you covered.

3. High-Performance Systems

Impact-resistance is critical for buildings in the Southeastern United States, and high-performance impact-resistance systems are our specialty. All Sun Metals systems – including our new line of thermal products – meet stringent impact-resistant standards



Sun Metals' Product Portfolio

Sun Metals Systems engineers, designs and manufacturer's commercially rated aluminum windows, sliding glass doors, skylight systems, glass handrails and custom glazing systems. Sun Metals offers the highest quality and performance at a competitive price.

The Sun Metals' product line consists of large and small missile impact approved products, meeting both Miami-Dade and the State of Florida code requirements. Sun Metals also offers a full line of thermally broken glazing systems to meet the most stringent thermal demands.

Impact-Resistant Products

Series 250-V, Project Out Window
Series 250-H, Project In Window
Series 250-C, Casement Window
Series 275-SH, Single Hung Window
Series 275-F, Fixed Window
Series 450, Fixed Window Wall
Series 550, Fixed Window Wall
Series 650, Fixed Window Wall
SunDor 5000 Sliding Glass Door

Impact-Resistant & Thermally Broken Products

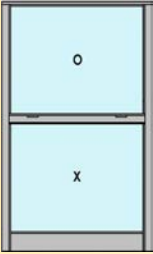
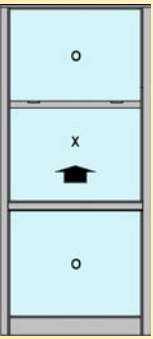
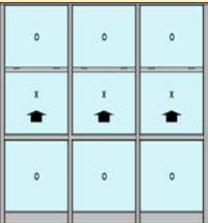
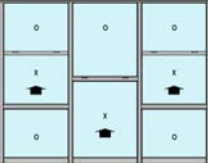
Series 300-V, Project Out Window
Series 300-C, Casement Window
Series 400-HW, Single Hung Window
Series 400-SW, Horizontal Roller
Series 400, Fixed Window & Window Wall
Series 600T- Window Wall (*Non-Impact*)
Series 700, Unitized Curtain Wall (*Non-Impact*)
SunDor 4000- Terrace Patio Door (*Non-Impact*)

Custom Products

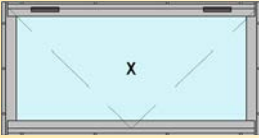
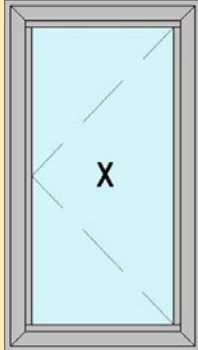
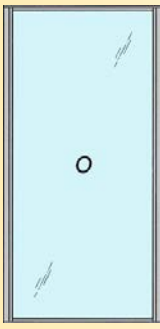
Aluminum & Glass Handrails
Blast Glazing Systems
Acoustical Glazing Systems



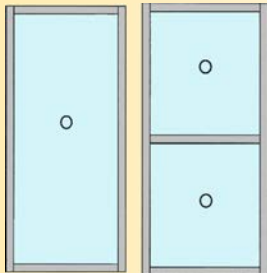
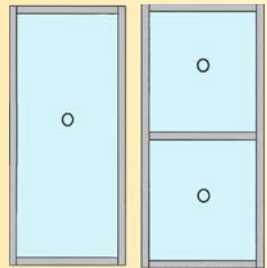
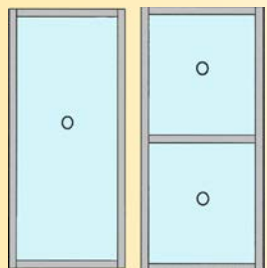
IMPACT-NON THERMAL WINDOWS & DOORS

SYSTEMS	DEPTH	TYPE	CONFIGURA- TIONS	DESIGN PRESSURES (PSF)	MAX FRAME SIZE (IN.)	GLASS	FL PRODUCT APPROVAL #	HVHZ
	275	2-3/4"	2 LITE SINGLE	+100/-120	53.13 X 84.00	9/16" LMI	3504.1	YES
				+60/-65	53.13 X 84.00	9/16" LMI 5/16" LMI		YES
				+80/-85	53.13 X 60.25	9/16" LMI 5/16" LMI		YES
				+100/-120	53.13 X 84.00	9/16" SMI	3504.5	YES
	275	2-3/4"	3 LITE SINGLE	+100/-120	53.13 X 84.00	9/16" LMI	3504.2	YES
				+100/-100	48 X 120	9/16" LMI		YES
				+60/-65	53.13 X 84.00	9/16" LMI		YES
				+80/-85	36.25 X 84.00	9/16" LMI		YES
				+60/-65	48 X 120	9/16" LMI		YES
				+100/-120	53.13 X 84.00	9/16" SMI	3504.6	YES
				+100/-100	48 X 120	9/16" SMI		YES
	275	2-3/4"	3 LITE MULTI CONFIGURATION	+100/-100	48 X 120	9/16" LMI	3504.3	YES
				+60/-65	48 X 84.00	9/16" LMI		YES
				+80/-85	36.25 X 84.00	9/16" LMI		YES
				+60/-65	48 X 120	9/16" LMI		YES
				+100/-100	48 X 120	9/16" SMI	3504.7	YES
	275	2-3/4"	2 & 3 LITE Multiple Configuration	+78/-87	53.06 X 84	9/16" LMI	3504.4	YES
				+60/-65	53.06 X 84	9/16" LMI		YES
				+78/-85	36.18 X 60.25	9/16" LMI		YES
				+78/-87	53.06 X 84	9/16" SMI	3504.8	YES
	275	2-3/4"	2 LITE w/Receptor Single & Multiple Configuration	+65/-65	36.00 X 72.00	5/16" LMI	3504.9	YES
				+65/-65	36.00 X 72.00	5/16" SMI	3504.10	YES

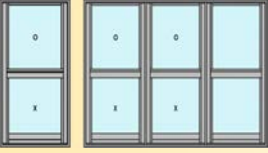
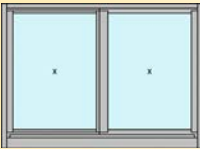
IMPACT-NON THERMAL WINDOWS & DOORS

SYSTEMS		DEPTH	TYPE	CONFIGURA- TIONS	DESIGN PRESSURES (PSF)	MAX FRAME SIZE (IN.)	GLASS	FL PRODUCT APPROVAL #	HVHZ
	250V	2-1/2"	AWNING PROJECT OUT	Single Lite Configuration	+100/-100	48.00 X 50.00	9/16" LMI	9291.3	YES
					+100/-100	48.00 X 50.00	9/16" SMI	9291.4	YES
	250H	2-1/2"	HOPPER PROJECT IN	Single Lite Configuration	+100/-100	47.00 X 26.15	9/16" LMI	9291.1	YES
					+100/-100	47.00 X 26.15	9/16" SMI	9291.2	YES
			HOPPER PROJECT IN w/Receptor	Single Lite Configuration	+100/-100	47.00 X 26.15	9/16" LMI	9291.5	YES
					+100/-100	47.00 X 26.15	9/16" SMI	9291.6	YES
	250C	2-1/2"	CASEMENT PROJECT OUT	Single Lite Configuration	+100/-100	36.00 X 62.00	9/16" SMI	9820.1	YES
					+100/-100	36.00 X 62.00	9/16" SMI	9820.2	YES
			CASEMENT PROJECT OUT w/Receptor	Single & Multiple Configuration	+65/-65	37.00 X 62.50	5/16" SMI	9820.3	YES
					+65/-65	37.00 X 62.50	9/16" LMI 5/16" LMI	9820.4	YES
 	275	2-3/4"	FIXED WINDOW	Single Lite Configuration	+100/-165	48.00 x 96.00	9/16" LMI	15891.12	YES
					+60/-65	36.00 x 72.00	9/16" LMI 5/16" LMI		YES
					+60/-65	36.00 x 72.00	5/16" SMI	15891.13	YES
			FIXED WINDOW w/ Receptor	Single & Multiple Configuration	+60/-65	33.88 x 72.00	5/16" LMI	15891.14	YES
					+60/-65	33.88 x 72.00	5/16" LMI		YES
					+60/-65	33.88 x 72.00	5/16" SMI	15891.15	YES
					+60/-65	33.88 x 72.00	5/16" SMI		YES

IMPACT-NON THERMAL WINDOWS & DOORS

SYSTEMS		DEPTH	TYPE	CONFIGURA- TIONS	DESIGN PRESSURES (PSF)	MAX FRAME SIZE (IN.)	GLASS	FL PRODUCT APPROVAL #	HVHZ
	450	4-1/2"	FIXED WINDOW WALL	Single & Multiple Configuration	+115/-115	48.00 X 101.63	9/16" LMI	15891.1	YES
					+115/-115	48.00 X 101.63	9/16" SMI	15891.2	YES
					+115/-115	43.50 X 101.38	9/16" LMI 1-5/16" ILG LMI	15891.3	YES
					+115/-115	43.50 X 101.38	9/16" SMI 1-5/16" ILG SMI	15891.4	YES
					+115/-115	43.50 X 101.38	1/4" TEMP. MONOLITHIC	15891.5	NO
					+100/-100	43.50 X 101.38	1" IG NON-IMPACT		NO
	550	5-1/2"	FIXED WINDOW WALL	Single & Multiple Configuration	+115/-115	43.50 X 101.38	9/16" LMI 1-5/16" ILG LMI	15891.6	YES
					+115/-115	43.50 X 101.38	9/16" SMI 1-5/16" ILG SMI	15891.7	YES
					+115/-115	43.50 X 101.38	1/4" TEMP. MONOLITHIC	15891.8	NO
					+100/-100	43.50 X 101.38	1" IG NON-IMPACT		NO
	650	6-1/2"	FIXED WINDOW WALL	Single & Multiple Configuration	+100/-100	43.50 X 143.19	9/16" LMI 1-5/16" ILG LMI	15891.9	YES
					+100/-100	43.50 X 143.19	9/16" SMI 1-5/16" ILG SMI	15891.10	YES
					+115/-115	43.50 X 143.19	1/4" TEMP. MONOLITHIC	15891.11	NO
					+100/-100	43.50 X 143.19	1" IG NON-IMPACT		NO
	5000	5"	SLIDING GLASS DOOR	XO, OXO, OOXO, XOOO	+100/-100 Reinforced	192.12 X 119.75	9/16" LMI 1-5/16" ILG LMI	15903.01	YES
					+70/-75 Reinforced	192.12 X 119.75	9/16" LMI 1-5/16" ILG LMI		YES
					+115/-135	192.12 X 95.75	9/16" LMI 1-5/16" ILG LMI		YES
					+60/-65	80.25 X 95.75	7/16" LMI 1-5/16" ILG LMI		YES
					+100/-100 Reinforced	192.12 X 119.75	9/16" SMI 1-5/16" ILG SMI	15903.02	YES
					+70/-75 Reinforced	192.12 X 119.75	9/16" SMI 1-5/16" ILG SMI		YES
					+115/-135	192.12 X 95.75	9/16" SMI 1-5/16" ILG SMI		YES
					+60/-65	80.25 X 95.75	7/16" SMI 1-5/16" ILG SMI		YES

IMPACT/NON IMPACT- THERMAL WINDOWS & DOORS

SYSTEMS	DEPTH	TYPE	CONFIGURATIONS	DESIGN PRESSURES (PSF)	MAX FRAME SIZE (IN.)	GLASS	FL PRODUCT APPROVAL #	HVHZ
	400	4"	THERMAL SINGLE HUNG 2 LITE w/Receptor Single & Multiple Configuration	+65/-65	53.00 X 72.00	1" IG NON-IMPACT	3504.11	NO
				+65/-65	53.00 X 72.00	1-1/16" ILG LMI	3504.12	NO
				+65/-65	53.00 X 72.00	1-1/16" ILG SMI	3504.13	NO
	300V	3"	THERMAL AWNING PROJECT OUT Single & Multiple Configuration	+65/-65	73.00 X 41.00	1" IG NON-IMPACT	9291.7	NO
				+65/-65	73.00 X 41.00	1-1/8" ILG SMI	9291.8	NO
				+65/-65	73.00 X 41.00	1-1/8" ILG LMI	9291.9	NO
	300C	3"	THERMAL CASEMENT PROJECT OUT Single & Multiple Configuration	+65/-65	41.00 X 73.00	1" IG NON-IMPACT	9820.5	NO
				+65/-65	41.00 X 73.00	1-1/8" ILG SMI	9820.6	NO
				+65/-65	41.00 X 73.00	1-1/8" ILG LMI	9820.7	NO
	400SW	4"	THERMAL HORIZONTAL SLIDING WINDOW 2 LITE Single	+65/-65	72.00 X 60.00	1" IG NON-IMPACT	13510.1	NO
				+65/-65	72.00 X 60.00	1-1/8" ILG SMI	13510.2	NO
				+65/-65	72.00 X 60.00	1-1/8" ILG LMI	13510.3	NO
	400	4"	THERMAL FIXED WINDOW Single & Multiple Configuration	+60/-65	52.0 0x 72.00	1-1/16" ILG LMI	15891.16	NO
				+60/-65	52.0 0x 72.00	1-1/16" ILG SMI	15891.17	NO
				+60/-65	52.0 0x 72.00	1" IG NON-IMPACT	15891.18	NO
	400	4"	THERMAL FIXED WINDOW w/Receptor Single & Multiple Configuration	+60/-65	36.0 0x 72.00	1-1/16" ILG LMI	15891.19	NO
				+60/-65	36.0 0x 72.00	1-1/16" ILG SMI	15891.20	NO
				+60/-65	36.0 0x 72.00	1" IG NON-IMPACT	15891.21	NO
	600T	6"	THERMAL WINDOW WALL Single & Multiple Configuration	+50/-50	182.5 X 106.00	1" IG		NO
	4000	4"	THERMAL TERRACE DOOR SINGLE	+65/-65	48.00 X 96.00	1" IG		NO
			THERMAL TERRACE DOOR PAIR	+65/-65	72.00 X 96.00	1" IG		NO

Impact Resistant– Non Thermal

Sun Series 250 Operable Windows

- Available as Awning, Hopper Projected and Casement.
- 2-1/2" Frame Depths
- Single and multi-unit configurations
- Large & small missile impact rated
- Turtle code compliant glazing
- Tinted and Low-E coatings
- Single & double applied muntins
- Available receptor system, or can be glazed into our series 450, 550, or 650 windows
- Wide variety of locking and operating hardware options.

Available Glazing Options

- 9/16" Laminated
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors

Sun Series 275-HW Hung windows

- Equal Leg Framing
- Tubular Construction
- Concealed interior fasteners
- Two and three lite versions
- Single and multi-unit configurations
- Large & small missile impact rated
- Turtle code compliant glazing
- Tinted and Low-E coatings
- Single & double applied muntins
- Available receptor system, or can be glazed into our series 450, 550, or 650 windows

Available Options

- 1/4" Non-Impact monolithic
- 5/16" Laminated Impact
- 9/16" Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



The Regatta, Miami Beach, FL



Nu River Village, Ft Lauderdale, FL



Impact Resistant– Non Thermal

Sun Series 275 Fixed Window

- 2-3/4" Frame depth
- Interior Nail flange
- Screw spline & tubular construction
- Equal Leg Framing
- Single and multi-unit configurations
- Large & small missile impact rated
- Turtle code compliant glazing
- Tinted and Low-E coatings
- Single & double applied muntins
- Available receptor system,

Available Options

- 1/4" Non-Impact monolithic
- 5/16" Laminated Impact
- 9/16" Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Esperia South, Bonita Bay, FL

Impact Resistant– Thermal

Sun Series 300 Operable Windows

- Available as Awning, Hopper Projected and Casement.
- 3" Frame Depths
- Pour & Debridge Thermal Break
- Single and multi-unit configurations
- Large & small missile impact rated
- Tinted and Low-E coatings
- Single & double applied muntins
- Available Thermally Broken receptor system, or can be glazed into our series 400, 600T windows
- Wide variety of locking and operating hardware options.

Available Glazing Options

- 1" Insulated
- 1-1/16" Insulated Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Temple University– Morgan Hall
Philadelphia, PA



Sun Series 400-SW Sliding Window
Sun Series 400-HW Single Hung window

- 4" Frame Depth
- Pour & Debridge Thermal Break
- Equal Leg Framing
- Tubular Construction
- Class 5 Spiral Balancers
- Concealed interior fasteners
- Two and three lite versions
- Single and multi-unit configurations
- Large & small missile impact rated
- Tinted and Low-E coatings
- Single & double applied muntins
- Available Thermal receptor system

Available Options

- 1" Insulated
- 1-1/16" Insulated Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors

Sun Series 400 Fixed Window

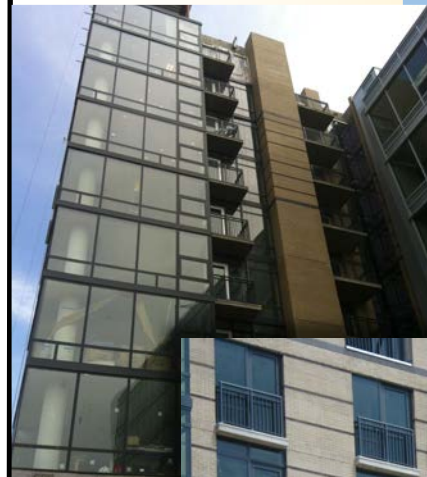
- Commercial Grade
- 4" Frame Depths
- Pour & Debridge Thermal Break
- Available without Thermal Break
- Single and multi-unit configurations
- Large and Small missile impact rated
- Unitized Construction
- Tinted and Low-E coatings
- Single & double applied muntins
- Available Thermal receptor system

Available Glazing Options

- Polyamide Iso-Bar Thermal Break
- Integrated Vents and Terrace doors
- 1" Insulated
- 1-1/16" Insulated Laminated
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Peninsula I & II—Aventura, FL



7th Street Flats, Washington, DC

Impact Resistant– Non Thermal

Sun Series 450 Window Wall system

- 4-1/2" Frame Depth
- Available in 5-1/2" Frame depth
- Commercial grade
- Screw spline construction
- Equal leg framing
- Single and multi-unit configurations
- Exterior glazing
- Unitized construction
- Large and small missile impact rated
- Stainless Steel assembly screws
- Standard colors: white, silver, bronze

Available Options

- 1/4" Non-Impact monolithic
- 9/16" Laminated Impact
- 1" Insultated
- 1-5/16" Insulated Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors

Sun Series 550/650 Window Wall system

- 5.5, 6.5" Frame Depths
- Commercial grade
- Screw spline construction
- Equal leg framing
- Single and multi-unit configurations
- Exterior glazing
- Unitized construction
- Large and small missile impact rated
- Stainless Steel assembly screws
- Standard colors: white, silver, bronze

Available Options

- 1/4" Non-Impact monolithic
- 9/16" Laminated Impact
- 1" Insultated
- 1-5/16" Insulated Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Grand Central, Tampa, FL



The Vue, Orlando, FL



Non Impact Resistant– Thermal

Sun Series 600T Window Wall–Non Impact

- Commercial Grade
- 6" Frame Depths
- Polyamide Iso-Bar Thermal Break
- Split finishes
- Single and multi-unit configurations
- Tinted and Low-E coatings
- Unitized Construction
- Outside & Inside glazed
- Single & double applied muntins
- Available Thermal receptor system

Available Glazing Options

- Integrated Vents and Terrace doors
- 1" Insulated
- 1-1/16" Insulated Laminated
- Split finishes
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Federal Energy Regulatory Commission Bldg, Washington, DC

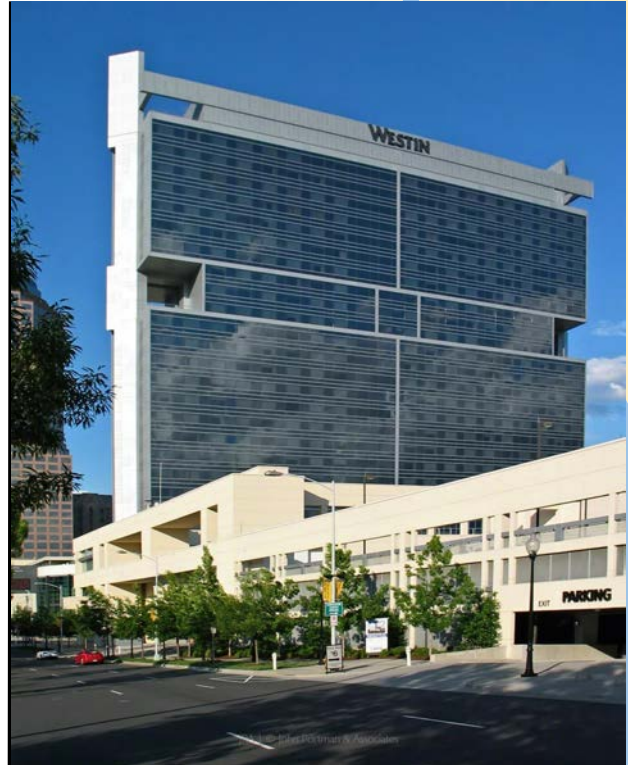
Impact/Non Impact Resistant

Sun Series 700 Curtain Wall—Non Impact

- 7" Frame Depth
- Commercial grade
- Thermally improved
- Captured or Structurally glazed
- 2 sided or 4 sided SSG
- Screw spline construction
- Equal leg framing
- Single and multi-unit configurations
- Exterior glazing
- Unitized construction
- Non impact rated
- Standard colors: white, silver, bronze

Available Options

- Integrated Vents
- 1/4" Non-Impact monolithic
- 1" Insulated
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



The Westin, Charlotte, NC

Sun Series 825 Curtain Wall—Impact

- 8.25" Frame Depth
- Commercial grade
- Thermally improved
- Captured or Structurally glazed
- Screw spline construction
- Large and Small missile impact rated
- Single and multi-unit configurations
- Exterior glazing
- Stick construction
- Standard colors: white, silver, bronze

Available Options

- Integrated Vents and Doors
- Split Finishes
- 1" Insulated
- 1-1/16" Insulated Laminated
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Palm Beach Judicial Center, West Palm Beach, FL

Impact Resistant– Non Thermal

SunDor 5000 Sliding Glass Door

- Commercial Grade
- 5" Frame Depths
- Tubular Frame
- Multiple glazing options for improved STC's
- Screw spline construction
- Equal leg framing
- Single and multi-unit configurations
- 1-1/2" Stainless Steel tandem rollers
- Large & small missile impact rated
- Turtle code compliant glazing
- Tinted and Low-E coatings

Available Glazing Options

- 9/16" laminated Impact
- 1 & 1-5/16" Insulated Laminated Impact
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



The Signature Place, St Petersburg, FL

Non-Impact Resistant– Thermal

SunDor 4000 Architectural Terrace Door

- Polyimide Iso-bar Thermal Break
- Equal Leg Framing
- Tubular Construction
- Concealed interior fasteners
- Two and three lite versions
- Single and multi-unit configurations
- Large & small missile impact rated
- Turtle code compliant glazing
- Tinted and Low-E coatings
- Single & double applied muntins

Available Options

- 1" Insulated
- Class 1 anodized finishes
- Duracron baked enamel
- Kynar 500 standard and custom colors



Parc Riverside, Washington, DC



Impact/Non Impact Resistant

Sun Series Hand Railing Outside or Inside Glazed

- Commercial Grade
- 3.5" Frame Depths
- Screw Spline Construction
- Exterior glazing
- Center Glazing
- Unitized construction
- Monolithic and Laminated glazing available
- Stainless Steel assembly screws
- Standard colors: white, silver, bronze
- Custom colors available

Available Glazing Options

- Class 1 Anodized finishes
- Duracron baked enamel
- Kynar 500 Standard and custom colors
- Turtle code compliant glazing
- 9/16", 3/8" and 1/4" Glazing
- Tinted and Low-E coating
- Multiple Cap Options





*High Performance Impact
Commercial Windows and Doors*

**Fixed
Casements
Project Out
Single Hung
Horizontal Sliders
Window Wall
Sliding Glass Doors
Terrace Doors
Glass Handrails**

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