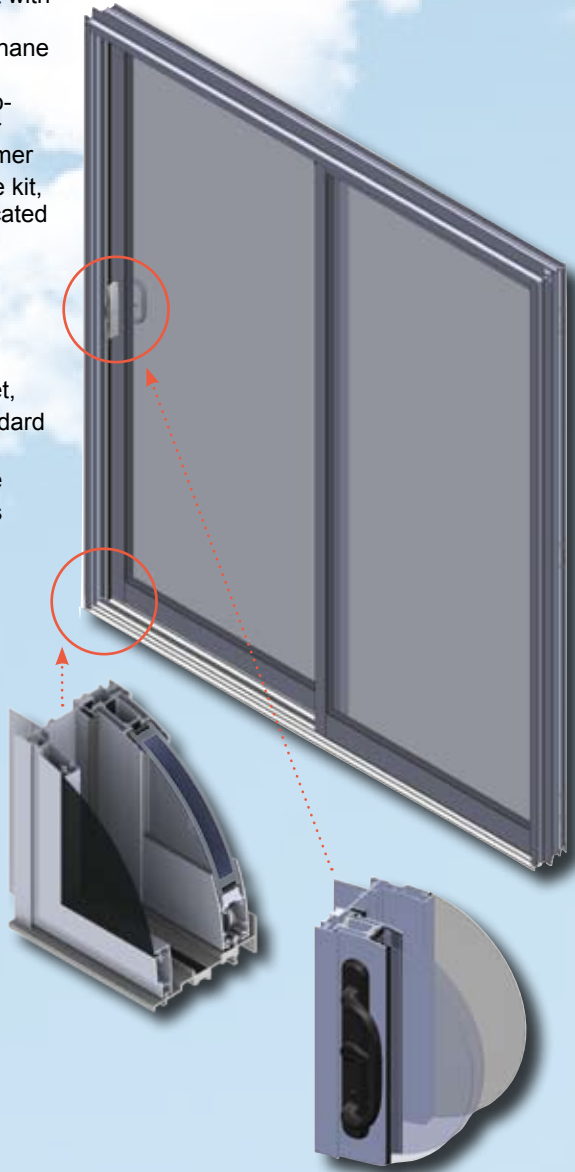


# Sliding Glass Doors

## Engineered & Manufactured by Wojan

### 4<sup>3</sup>/<sub>4</sub>" Jamb Depth

- A mass market commercial product with elite market features
- Double pour and debridge polyurethane thermal breaks at the head and sill for better performance, utilizing Azo-Brader™ technology with a 10 year warranty against failure of the polymer
- Shipped as knock-down (KD) frame kit, glass door panels completely fabricated
- Integral nailing fin standard, finless optional
- Improved U-values with optional high-performance glass package, factory marine glazing
- Premium "D" style interior handleset, finger-pull exterior, black color standard
- Coastal hardware package and stainless steel track cover available
- White and bronze standard finishes



#### 2500 model

- LC25 rated
- 12'-0" x 6'-11" test size
- OX, XO, ZXO, OXZ, ZOZ, XOZ
- 3.75 lb. H<sub>2</sub>O sill

#### 2600 model

- CW40 rated
- 12'-0" x 8'-0" test size
- OX, XO, ZXO, OXZ, ZOZ, XOZ
- 6.0 lb. H<sub>2</sub>O sill
- Heavy-duty interlock

#### 2800 model

- CW55 rated
- 12'-0" x 8'-0" test size
- OX, XO, ZXO, OXZ, ZOZ, XOZ
- 8.0 lb. H<sub>2</sub>O sill (simulated)

2700 model Fixed Transom and Side Lite available on all door series with field mull/stack option

#### Sliding Glass Door Product Performance Details

Series	Product Designation*	Structural/Water/Air Test Size (W x H)	Air Infiltration (cfm/sq ft)	Water Resistance (psf)	Deflection (psf)	Structural (psf)	Simulated U-Value▼
2500	LC-PG25	12'-0" x 6'-11"	.19 @ 1.6 psf	3.75	25	37.5	.35 ♣ .47 ♦ .58 ■
2600	CW-PG40	12'-0" x 8'-0"	.05 @ 1.6 psf	6.0	40	60	
2800*	CW-PG55	12'-0" x 8'-0"	.05 @ 1.6 psf	8.0	55	82.5	
2700	AW-PG80 - TR AW-PG80 - SLT	99" x 60" 60" x 99"	< .01 @ 6.2 psf	12	80	120	

\*2800 Series performance values determined through simulations.

All Wojan products carry warranties of 5 years on window materials and workmanship (1 year moving parts), 10 years on the IGU and 10 years on the thermal break. Ask about extended warranty bundles.

#### Window and Door Selection Chart

Series	Types	AAMA Class <sup>(1)</sup> at Gateway Size▼	Glazing	Frame Depth
M-950	Single-Hung	AW-PG50	1" IGU	3 <sup>1</sup> / <sub>4</sub> "
	Fixed	AW-PG80		
	Horizontal Slider*	CW-PG50		
M-950B	Single-Hung: <b>Blast-Resistant</b>	AW-PG50	1" IGU	4 <sup>3</sup> / <sub>4</sub> " with clip, factory applied
	Fixed: <b>Blast-Resistant</b>	AW-PG80		
	Horizontal Slider (SV): <b>Blast-Resistant</b>	CW-PG50		
<b>M-950 and M-950B single-hung and fixed types also available as Impact/Hurricane-Resistant.</b>				
M-85	Horizontal Slider*	C50, CW-PG35, CW-PG30	3/4" IGU	2 <sup>1</sup> / <sub>16</sub> "
	Single-Hung	CW-PG30, CW-PG50	1" IGU	
	Fixed	CW-PG65 (NAFS '11)		
<b>M-85 fixed type also available as Impact/Hurricane-Resistant.</b>				
M-750 Synergy <sup>2</sup> ™	Triple Glazed-Double Sash: Horizontal Slider (single vent, end vent)	C50, CW-PG30	3/4" IGU Exterior, Single Glazed Interior	5"
	Triple Glazed-Double Sash: Fixed	CW-PG65	1" IGU Exterior, Single Glazed Interior	
M-66	Internal Storm: Horizontal Slider*	n/a	SS, DS, 3/16" Single Glazed	2 <sup>1</sup> / <sub>8</sub> " HS
	Internal Storm: Fixed			
4500	Project-In Hopper	AW-PG70 (NAFS '11)	1" IGU	2 <sup>3</sup> / <sub>8</sub> "
	Project-In Casement	pending		
	Fixed	AW-PG100 (NAFS '11)		
4500 Blast	Fixed: <b>Blast-Resistant</b>	AW-PG100 (NAFS '11)	1" IGU	3 <sup>7</sup> / <sub>8</sub> " with clip, factory applied
4600	Project-Out Awning	AW-PG65 (NAFS '11)	1" IGU	2 <sup>3</sup> / <sub>8</sub> "
	Project-Out Casement	AW-PG70 (NAFS '11)		
4600 Blast	Project-Out Awning: <b>Blast-Resistant</b>	AW-PG65 (NAFS '11)	1" IGU	3 <sup>7</sup> / <sub>8</sub> " with clip, factory applied
	Project-Out Casement: <b>Blast Resistant</b>	AW-PG70 (NAFS '11)		
2500	Sliding Glass Door	LC-PG25	1" IGU	4 <sup>3</sup> / <sub>4</sub> "
2600		CW-PG40		
2800		CW-PG55		
2700	Transom/Side Lite	AW-PG80		

All products, with the exception of the M-66 Internal Storm, have a thermal barrier.

\* M-950/M-85/M-66 HS configurations available in 2-panel single-vent; and 3-panel center or end vent.

<sup>(1)</sup> The '05 fenestration standard utilized five performance classes; R, LC, C, HC, AW. NAFS-08/11 utilize four; R, LC, CW, AW.

▼ Many window ratings can be increased by downsizing the window and determining maximum performance either through testing or calculation. Contact your local Wojan sales representative or our office for details.

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HQ/Sales/Manufacturing  
217 Stover Road  
Charlevoix, MI 49720  
(800) 632-9827 | fax (231) 547-4237



Manufacturing  
340 Jay Street  
Coldwater, MI 49038  
(866) 378-2202 | fax (517) 279-9832



Quality Windows & Doors for All Seasons

Custom Aluminum Windows & Sliding Glass Doors for Architectural and Commercial Applications



Landmark: new student housing in Ann Arbor, MI with Wojan M-950 Series Single-Hung and Fixed Windows

[www.wojan.com](http://www.wojan.com)

Charlevoix: 800.632.9827

Coldwater: 866.378-2202





# M-950 Series

Single-Hung (side load), Slider & Fixed  
3 1/4" Frame Depth



Windsor Apartments - Wilmington, DE  
M-950 Series Single-Hung & Fixed Windows

- Our most versatile, high performance series
- Numerous available installation systems, mulling and stacking options
- Ergonomic design lift and pull rails located at both sides of operable sash
- Single-hung and fixed = grade 40 forced entry resistance, slider = grade 30 FER
- Sloped sill on single-hung & fixed types
- Sliders feature heavy-duty easy-glide tandem ball-bearing rollers that provide smooth, quiet sliding operation

**Hurricane/Impact and Blast-Resistant models also available**  
Contact your Wojan Sales Representative or our office for more details

# 4500/4600 Series

Hopper, Awning, Casement & Fixed  
2 3/8" Frame Depth



Volunteers of America Office - Binghamton, NY  
4500 Series Fixed and 4600 Series Casement Windows

- A rugged, durable and affordable option in projected windows
- Numerous available installation systems and a wide variety of combinations and accessories
- Mulling and sub-frame options available including self-mulling jambs
- Optional hardware packages are also available

**A Variety of Finishes**  
Standard baked-on polyester, 2-coat Kynar® and anodized options  
Non-standard colors with minimum order.

**Azo-Brader™ Technology:** Abrasion "hooks" displace metal along the lugs to improve adhesion in the thermal barrier pocket.



# M-85 Series

Single-Hung (side load), Slider & Fixed  
2 3/4" Frame Depth



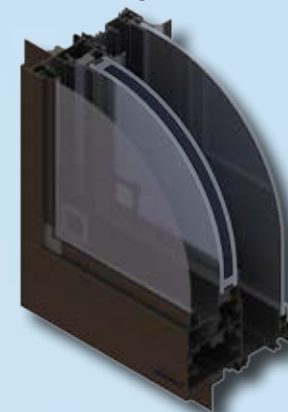
Hilton Garden Inn - Olathe, KS  
M-85 Series Fixed Windows with Integrated Louver

- The quintessential no-nonsense performer
- Custom shapes available
- Custom installation accessories including subsills, face flange, panning, trim, mullions, expanders and receptors
- Glazed inserts with marine-type wrap-around glazing system for easy field replacement of glass
- Ball-bearing easy-glide rollers provide smooth, quiet operation of sliding windows
- Block & tackle balances, readily accessible through side take-outs
- Self-lock feature is standard, sweep lock available as an option



# Synergy<sup>3</sup> M-750 Series

Triple Glazed-Double Sash Design  
5" Frame Depth



- A true thermal performer with enhanced noise-reducing properties
- Sealed IGU exterior, single pane interior
- OITC 34-36, STC 43-45 (calculated based on specific glass package, contact Wojan for details)
- Field replaceable sashes
- Dual weatherstrip at all key sash locations
- Spring-loaded screens install and remove easily
- Accessories include snap trim, applied face flange, integral nailing fin and others

Our products feature a pour and debridge polyurethane thermal break for better performance, utilizing Azo-Brader™ technology with a 10-year warranty against failure of the polymer.

## M-950 Series Product Performance Details

Type	Product Designation*	Structural/Water/Air Test Size (W x H)	Air Infiltration (cfm/sq ft)	Water Resistance (psf)	Deflection (psf)	Structural (psf)	Simulated U-Value▼
Single-Hung <i>Blast Also Available!</i>	AW-PG50	60" x 99"	.10 @ 6.2 psf	12	50	75	.35 ● .40 ♣ .46 ◆ .58 ■
Fixed <i>Blast Also Available!</i>	AW-PG80	60" x 99"	<.01 @ 6.2 psf	15	80	120	.35 ● .40 ♣ .46 ◆ .58 ■
Single Vent <i>Blast Also Available!</i>	CW-PG50 <sup>1</sup>	72" x 62"	.10 @ 1.6 psf	8	50	75	.35 ● .40 ♣ .46 ◆ .58 ■
<sup>1</sup> Single Vent qualified by End Vent							
Center Vent	CW-PG50	120" x 62"	.06 @ 1.6 psf	10	50	75	
End Vent	CW-PG50	120" x 62"	.10 @ 1.6 psf	8	50	75	

## 4500/4600 Series Product Performance Details

Type	Product Designation*	Structural/Water/Air Test Size (W x H)	Air Infiltration (cfm/sq ft)	Water Resistance (psf)	Deflection (psf)	Structural (psf)	Simulated U-Value▼
4500 Fixed <i>Blast Also Available!</i>	AW-PG100 (NAFS '11)	60" x 99"	<.01 @ 6.2 psf	12	100	150	.34 ♣ .50 ◆ .54 ■
4500 Project-In Hopper	AW-PG70 (NAFS '11)	60" x 36"	.08 @ 6.2 psf	12	70	105	.45 ♣ .51 ◆ .62 ■
4600 Project-Out Casement <i>Blast Also Available!</i>	AW-PG70 (NAFS '11)	36" x 60"	.05 @ 6.2 psf	12	70	105	.48 ♣ .52 ◆ .63 ■
4600 Project-Out Awning <i>Blast Also Available!</i>	AW-PG65 (NAFS '11)	60" x 36"	.03 @ 6.2 psf	12	65	97.5	.47 ♣ .52 ◆ .64 ■

## M-85 & M-750 Series Product Performance Details

Type	Product Designation*	Structural/Water/Air Test Size (W x H)	Air Infiltration (cfm/sq ft)	Water Resistance (psf)	Deflection (psf)	Structural (psf)	Simulated U-Value▼	
Single-Hung <i>M-85 only</i>	CW-PG30	56" x 91"	.01 @ 1.6 psf	7.5	30	45	Contact Wojan for information.	
	CW-PG50	48" x 78"			50	75		
M-85 Slider	CW-PG30	71" x 60"	.18 @ 1.6 psf	4.5	30	45		
	CW-PG35/C50	72" x 60"			.12 @ 1.6 psf	7.5		35 / 50
M-85 Fixed	CW-PG65 (NAFS '11)	60" x 72"	<.01 @ 6.2 psf	12	65	97.5		
M-750 Slider	CW-PG30	71" x 60"	.18	4.5	30	45.5		.29 ♣
	C50	72" x 60"			7.5	50		75
M-750 Fixed	CW65	60" x 72"	<.01	15	50	75		.28 ♣ .31 ◆ .38 ■

\* The '05 fenestration standard utilized five performance classes: R, LC, C, HC and AW. NAFS-08 and -11 utilize four such classes: R, LC, CW and AW.

▼ U-Value comparisons - example data represents four typical glass package options. All simulation values based on 1" IGU with 1/4" lites (1/4" for M-950 SH & FW). Simulated window and door sizes based on NFRC 100 at AAMA 1503-98 sizes.  
 ♣ Air-filled IGU with clear over clear glass, 3/4" aluminum box spacer (1/2" for M-950 SH & FW). ◆ Air-filled IGU with Low-E over clear glass, 3/4" aluminum box spacer (1/2" for M-950 SH & FW).  
 ● With optional high-performance glass package. ■ With optional high-performance "plus" glass package. (Metric U-Value conversion: coefficient = US value x 5.678263. R-Value = 1 / U-Value.)