

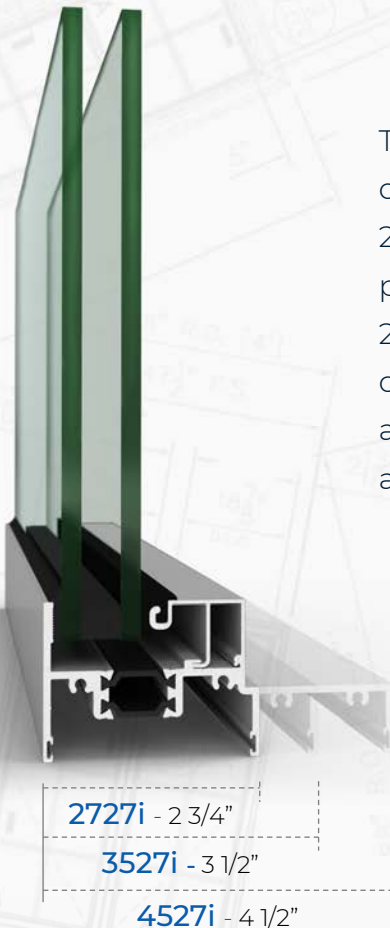
# i Series

## Projected Windows

Kansas State University  
Business Building  
Manhattan, KS

Fixed | Casement | Project In / Out | GO

The need for a more thermally efficient window led to the development of the Manko "i" series window system. This family of windows uses a 24mm polyamide crimped-in-place strut in lieu of the traditional two-part poured and debridged system. Operable sash sections maintain a 2 3/4" depth across the "i" series windows. With three frame depth options; 2 3/4" (**2727i series**), 3 1/2" (**3527i series**) and 4 1/2" (**4527i series**) and an aesthetically pleasing and effective grid option, this series can adapt to any of your frame openings.



### Performance Test Standards

Air Infiltration	ASTM E283
Water Penetration	ASTM E331 & E547
Structural	ASTM E330
Condensation (CRF)	AAMA 1503-09
Thermal	NFRC 100, 200, & 500
Acoustic (3527i only)	ASTM E90



Pictura Graphics  
Golden Valley, MN

### AAMA Performance Values

Type	Performance Rating	Air Infiltration (ASTM E283)	Water Resistance (ASTM E547 & E331)
Fixed	AW-PG100	≤ 0.1 cfm/ft <sup>2</sup>	12 PSF
Project Out	AW-PG80	≤ 0.1 cfm/ft <sup>2</sup>	12 PSF
Project In	AW-PG80	≤ 0.1 cfm/ft <sup>2</sup>	12 PSF
Casement	AW-PG80	≤ 0.1 cfm/ft <sup>2</sup>	12 PSF

### NFRC U-Values | Fixed

Glass Types	Window Series - Air (Argon)		
	2727i	3527i	4527i
Clear SN 68 #2 / Clear	0.36 (0.32)	0.37 (0.33)	0.38 (0.34)
Clear SNX 62/27 #2 / Clear	0.36 (0.32)	0.37 (0.33)	0.37 (0.34)
Clear SB60 #2 / Clear	0.36 (0.32)	0.37 (0.33)	0.38 (0.34)
Clear SB70 #2 / Clear	0.36 (0.32)	0.37 (0.33)	0.37 (0.33)
Clear SN 68 #2 / IS 20 #4	0.32 (0.29)	0.33 (0.30)	0.34 (0.31)
Clear / Clear SB70 #3 / Clear SB70 #5	---- (0.22)	---- (0.23)	---- (0.23)

\* Values Calculated with Manko's Warm Edge Spacer      Values Subject to Change without Notice

### NFRC U-Values | Operable

Glass Types	Window Series - Air (Argon)		
	2727i	3527i	4527i
Clear SN 68 #2 / Clear	0.46 (0.43)	0.47 (0.44)	0.48 (0.46)
Clear SNX 62/27 #2 / Clear	0.45 (0.43)	0.46 (0.44)	0.48 (0.45)
Clear SB60 #2 / Clear	0.46 (0.43)	0.47 (0.44)	0.48 (0.46)
Clear SB70 #2 / Clear	0.45 (0.43)	0.46 (0.44)	0.48 (0.45)
Clear SN 68 #2 / IS 20 #4	0.43 (0.41)	0.43 (0.41)	0.45 (0.43)
Clear / Clear SB70 #3 / Clear SB70 #5	---- (0.34)	---- (0.35)	---- (0.37)

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