



MANKO

WINDOW SYSTEMS INC.

www.mankowindows.com

4527i

FIXED ■ CASEMENT ■ PROJECT IN/OUT ■ GO

Manko's 4527i series was specifically designed to provide an efficient, economical window to an industry seeking thermally enhanced products. The 4527i is a member of a family of projected windows utilizing the same exterior die profile with interchangeable thermal struts depths and interior dies to create six different frame depths. Specifically, the 4527i uses a 24mm polyamide crimped in place structural thermal barrier to create a 4 1/2" overall window with a 2 3/4" vent. This specific strut provides superior frame performance and can be used in conjunction with dual or triple pane insulated glass. Main frame construction is mortise and tenon joinery with dual integral screw races. Operable sash uses mechanically joined, angle reinforced, mitered corner construction. The 4527i is tested to AAMA Architectural Class (AW) specifications, and carries NFRC 100, 200, 400, and 500 certifications.



Features:

- ⇒ 4 1/2" overall frame depth, 2 3/4" vent depth
- ⇒ 1/4" to 2" glazing options
- ⇒ Preglazed at factory for added quality control
- ⇒ Exterior grids available (beveled, cove, OG)
- ⇒ Interior surface applied & between glass muntins available
- ⇒ Hermetically sealed, hinged sash, and take-out sash blinds available
- ⇒ Panning systems & interior snap trims available
- ⇒ Receptor systems available w/optional starter sill
- ⇒ Custom profiles & configurations available
- ⇒ Full range of anodized & painted finishes, including dual finish capability



AAMA Structural Performance

Type	AAMA Performance Rating	Air Infiltration @ 6.24 psf	Water	Design Pressure	Structural Overload Pressure
Fixed	AW-PG100-F	≤ .1 cfm/ft ²	12.0 psf	100 psf	150 psf
Projected	AW-PG80-AP	≤ .1 cfm/ft ²	12.0 psf	80 psf	120 psf
Casement	AW-PG80-AP	≤ .1 cfm/ft ²	12.0 psf	80 psf	120 psf

Sizing Capabilities (Frame Size)

Type	Width		Height		Max FT ²
	Min	Max	Min	Max	
Fixed	12"	100"	12"	100"	≤ 36
Project out w/ cam handle	15"	60"	18"	41"	≤ 16
Project out w/ cam handle & jamb locks	15"	60"	18"	60"	≤ 20
Project out w/ rotary handle & jamb locks	22"	60"	20"	60"	≤ 20
Casement w/ single cam handle	18"	36"	18"	41"	≤ 10
Casement w/ dual cam handle	18"	36"	18"	60"	≤ 15
Casement w/ rotary operator & lift lock	24"	36"	20"	60"	≤ 12

NFRC Thermal Performance

COG U-Value	U-Value (NFRC 100)		
	Fixed	Projected	Casement
0.38	0.44	0.54	0.53
0.35	0.42	0.52	0.51
0.32	0.40	0.50	0.49
0.29	0.37	0.48	0.47
0.26	0.35	0.47	0.46
0.23	0.32	0.45	0.44
0.20	0.30	0.43	0.43

All values shown are calculated with Manko standard TriSeal insulated units. Verify performance numbers with test reports for specific glass make-ups as these are estimates.

Glazing Infill Options

Glazing	1/4"	1/2"	7/8"	1"	1 1/4"	1 1/2"	2"
Infill	O	O	O	S	O*	O	O
Hinged/Take-Out Sash	S		S				
Grid Option	O			S		O	

*Hermetically sealed blinds are available, but will limit glass options and between glass muntins

Hardware Options

Type	4 Bar Hinge w/Friction Shoe	Butt Hinges	Auxillary Friction Device	Limit Device	Single Arm Roto Operator	Dual Arm Roto Operator	Cam Handle	Pole Ring Cam Handle	Access Control Custodial Lock	Lift Lock
Projected	S		O	O		*O	*S	O	O	*O
Casement	O	S	O	O	S		O			S

S = Standard Hardware

O = Optional Hardware

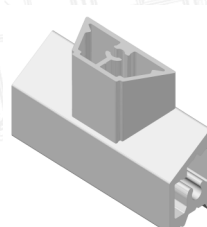
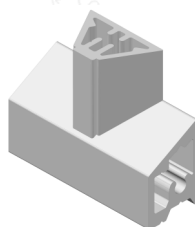
*Lift locks are standard with roto operators, and whenever vents exceed 42" tall when using cam handles

4527i-GO GRID PROFILES

BEVELED

SMALL

LARGE



COVE

SMALL

LARGE

