

xpt Series

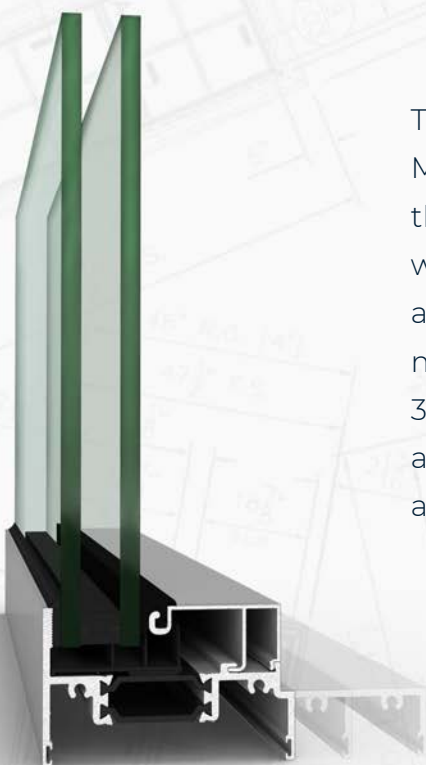
Projected Windows



NOAA Holt Watters Field Camp
Cape Shirreff, Antarctica

Fixed | Casement | Project In / Out | GO

The next generation of window thermal performance is here, meet Manko's "xpt" series. The advancement from the "i" series lies simply in the depth of the thermal strut and barrier. Not only do these AW rated windows offer structural integrity, but with dual and triple glaze options and a 36mm thermal strut, they offer the performance opportunity to meet stringent energy codes. With three frame depth options; 3 1/4" (**3232xpt series**), 4" (**4032xpt series**) and 5" (**5032xpt series**), and an aesthetically pleasing and effective grid option, this series can adapt to any of your frame openings.



3232xpt - 3 1/4"

4032xpt - 4"

5032xpt - 5"

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 (3232xpt only)	ASTM E90

AAMA Performance Values

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

NFRC U-Values | Fixed

Glass Types	Window Series - Air (Argon)		
	3232xpt	4032xpt	5032xpt
Clear SN 68 #2 / Clear	0.36 (0.33)	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 (0.33)	0.37 (0.33)	0.38 (0.34)
Clear SB70 #2 / Clear	0.36 (0.32)	0.36 (0.33)	0.37 (0.33)
Clear SN 68 #2 / IS 20 #4	0.32 (0.29)	0.32 (0.30)	0.33 (0.31)
Clear / Clear SB70 #3 / Clear SB70 #5	---- (0.20)	---- (0.21)	---- (0.22)

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

NFRC U-Values | Operable

Class Types	Window Series - Air (Argon)		
	3232xpt	4032xpt	5032xpt
Clear SN 68 #2 / Clear	0.45 (0.42)	0.46 (0.43)	0.41 (0.38)
Clear SNX 62/27 #2 / Clear	0.44 (0.42)	0.45 (0.43)	0.41 (0.38)
Clear SB60 #2 / Clear	0.45 (0.42)	0.46 (0.43)	0.41 (0.38)
Clear SB70 #2 / Clear	0.44 (0.42)	0.45 (0.43)	0.41 (0.38)
Clear SN 68 #2 / IS 20 #4	0.42 (0.40)	0.43 (0.41)	0.38 (0.36)
Clear / Clear SB70 #3 / Clear SB70 #5	---- (0.28)	---- (0.28)	---- (0.30)

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Davenport Lofts
Tulsa, OK



Visit www.mankowindowsystems.com
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Manko's xpt Series Projected Windows