

2450 Series

Storefront



Main & Jackson
Spearfish, SD



When it comes to utilizing a storefront system on your project, Manko has a wide variety of options to choose from, including our **2450** system. This system has been a staple in the marketplace for a number of years, providing projects a thermally broken, cost-effective system. The **2450's** profile and depth fit the typical center glazed 2" x 4 1/2" storefront design, with a single pour and debrided thermal break to significantly improve u-values over a non-thermal system. This system is well suited for low-rise applications and punched openings, refer to Manko's wind load charts for structural capabilities. The **2450** is compliant with AAMA air and water testing and NFRC 100, 200, and 500 certifications.

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
Acoustical	ASTM E90-09

2450 Product Features

- 2" Face Dimension, 4 1/2" Frame Depth
- Center Glazing Plane
- Single Pour & Debridged Thermal Break
- Screw Spline Construction
- 3/16" - 1 1/8" Glazing Cavity
- Integral or Dual Glazed Blind Options
- Window Vent Options
- Anodized and AAMA 2605 Paint Finishes

System Performance Values

Glass Types	Air U-Value	Argon U-Value	SHGC	CR
Clear SN 68 #2 / Clear	0.38	0.35	0.34	53
Clear SNX 62/27 #2 / Clear	0.38	0.34	0.24	53
Clear SB60 #2 / Clear	0.38	0.34	0.35	53
Clear SB70 #2 / Clear	0.38	0.34	0.25	53
Clear SN 68 #2 / IS 20 #4	0.33	0.31	0.32	48

Air Infiltration (ASTM E283)	Water Resistance (ASTM E547 & E331)	CRF (AAMA 1503)
≤ 0.3 cfm/ft ²	12 PSF*	71

* Values Calculated with Manko's Warm Edge Spacer

Values Subject to Change without Notice

Storefront at a Glance

Series	Glazing Plane	Face Profile	Frame Depth	Thermal Break	Thermal Performance
450 - 1	Center	1 3/4"	4 1/2"	---	
450 - 2	Center	2"	4 1/2"	---	
450 - 3	Center	2"	4 1/2"	---	
2450	Center	2"	4 1/2"	P&D	●
2450FS	Front	2"	4 1/2"	P&D	●
2450xpt	Center	2"	4 1/2"	Dual P&D	●●
2600xpt	Offset	2"	6"	Dual P&D	●●
5450i	Center	2 1/4"	4 1/2"	Strut	●●

1650 Canyon
Boulder, CO



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Manko's 2450 Series