



# MANKO

## WINDOW SYSTEMS INC.

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

## 2141xpt

### FIXED ■ SINGLE SLIDER

Traditionally, using a horizontal sliding window system meant that thermal performance was being sacrificed. So it was no surprise when the adoption of stricter commercial energy codes eliminated traditional horizontal sliders as an option in many climate zones. In response to this, a dramatically more thermally efficient horizontal sliding window system was needed. The innovative Manko 2141xpt series window system was developed. The 2141xpt uses polyamide crimped in place structural thermal barriers in lieu of the traditional two-part poured and debridged system. Framing is further thermally enhanced by using strategically placed, non-structural, convection and radiation barriers. This combination allowed for an increase in thermal performance to levels not previously attained in architectural grade sliding windows. The 2141xpt series has been tested to AAMA Architectural Window (AW) standards, and carries NFRC 100, 200, and 500 certification. The 2141xpt series is commonly used in hotels, mixed use, and condominium buildings. If your project is seeking a high performance single sliding window, Manko's 2141xpt can be the perfect fit.



### Features:

- ⇒ 4 1/16" overall depth, 1" - 1 1/8" glazing infill
- ⇒ Dual finseal weathering on operating sashes
- ⇒ Preglazed at factory for added quality control
- ⇒ Extruded screen frames with aluminum screen wire
- ⇒ Between glass muntins available
- ⇒ Hermetically sealed integral blinds available
- ⇒ Panning systems & interior snap trims available
- ⇒ Receptor systems available w/optional starter sill
- ⇒ Custom configurations with standard details available
- ⇒ Full range of anodized & AAMA 2605 painted finishes



# 2141<sub>xpt</sub> SERIES

## PERFORMANCE & CAPABILITIES

### 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 <sup>2</sup>    | 12.0 psf | 100 psf         | 150 psf                      |
| Horizontal Slider | AW-PG40-HS              | ≤ .3 cfm/ft <sup>2</sup>    | 10.0 psf | 50 psf          | 75 psf                       |

### Sizing Capabilities (Frame Size)

| Type  | Width |     | Height |     | Max FT <sup>2</sup> |
|-------|-------|-----|--------|-----|---------------------|
|       | Min   | Max | Min    | Max |                     |
| Fixed | 12"   | 84" | 12"    | 80" | ≤ 38                |
| XO/OX | 30"   | 98" | 20"    | 78" | ≤ 30                |
| XOX   | 36"   | 98" | 20"    | 78" | ≤ 40                |

### NFRC Thermal Performance

| COG U-Value | U-Value (NFRC 100) |
|-------------|--------------------|
|             | Single Slider      |
| 0.41        | 0.47               |
| 0.38        | 0.45               |
| 0.35        | 0.43               |
| 0.32        | 0.41               |
| 0.29        | 0.39               |
| 0.26        | 0.36               |
| 0.23        | 0.34               |
| 0.20        | 0.32               |

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" | 1 1/8" |
|-----------|----|--------|
| Insulated | S  | O*     |

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

### Hardware Options

| Type  | Tandem Stainless Steel 3/4" Rollers | Field Adjustable Rollers | Stainless Steel Roller Track Cap | Integral Continuous Pull Handle | Head Mounted Limit Stops | Spring Loaded Automatic Jamb Locks | Single White Bronze Cam Actions Sweet Lock | Dual White Bronze Cam Actions Sweep Lock |
|-------|-------------------------------------|--------------------------|----------------------------------|---------------------------------|--------------------------|------------------------------------|--|--|
| XO/OX | S                                   | S                        | O                                | S                               | O                        | S                                  | O  | O  |
| XOX   | S                                   | S                        | O                                | S                               | O                        | S                                  | O  | O  |

S = Standard Hardware

O = Optional Hardware