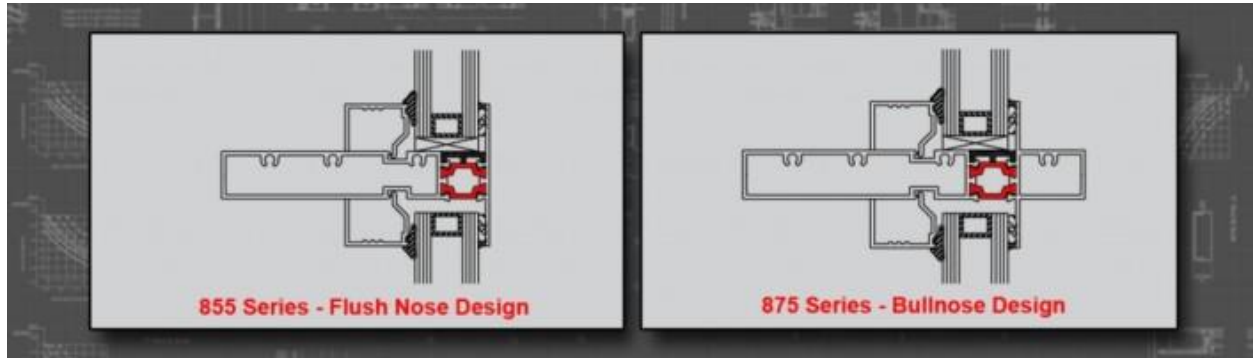




Windspec 855/875 Technical Data Sheet



Product Description

Thermally broke stick build window ideal for commercial and institutional projects.

Key Features

- 3/4" thick profile with 3/4" glazing fins
- 4-1/4" -6" overall depths available
 - o Custom depths available upon request
- Face sealed window design
 - o Modified Rain-screen setup available
- Compatible with 1" double glaze and 1-3/4" triple glaze units
 - o Other glazing thicknesses available upon request
- Compatible with Windspec sandwich panels (Various depths)
- Glass reinforced thermal break allows for exceptionally high thermal performance without affecting the structural integrity of the system
- Compatible with:
 - o Windspec 535 operable windows
 - o Windspec 575 frameless awnings
 - o 720 sliders
 - o 740 single hung
 - o Windspec 1-7/8" louvers
- Custom gaskets and components used to optimize performance of system
- Thermal simulations conducted as per NFRC
- Available fabricated or in stock lengths

Material:

- All aluminum to be 6063-T6 tempered
- Thermal Break: Polyamide 6.6, 25% glass fiber reinforced
- Exterior Sealed with Polyshim glazing tape
- Interior glazing gaskets: extruded EPDM – 60 durometer

Finishes:

- 2 color options available (interior/exterior)
- Standard anodic finishes available in class I (0.0004) and class II (0.0007)
 - o Clear anodize (.0004), clear anodize (.0007), #40 bronze (.0007), #26 light bronze (.0007), black (.0007)
 - o Acid etch finishing process
 - o Painted finished available: Duracron (one-coat), Duranar (2 coat), Duranar XL (3 coat)
 - o Powder coating available upon request
 - o Wood grain finishes available

Key performance Figures: OVERALL NAFS DESIGNATION AW-PG70

| Property | Standard allowance | Result | Designation |
|--------------------------|---|---|---------------|
| Air infiltration @ 300Pa | <0.2 L/s m2 | 0.07 L/s m2 | FW-AW (Fixed) |
| Air exfiltration @ 300Pa | <0.2 L/s m2 | 0.08 L/s m2 | FW-AW (Fixed) |
| Static Water penetration | No leakage @ 730Pa | No leakage @ 730Pa | FW-AW100 (B7) |
| Structural Design | No permanent damage @ various chosen pressure points | No permanent damage @ 5040Pa | FW-AW70 |
| Forced Entry | Remove all exterior fasteners using common tools within 5-minute period | No removable exterior fixtures | Grade 40 |
| Thermal Transmittance | N/A | Double glazed - 0.32* Triple glazed - 0.21** | N/A |

**thermal transmittance based on Sealed unit COG-U-value of 0.24*

***thermal transmittance based on Sealed unit COG-U-value of 0.12*

Applicable standards:

- NAFS- AAMA/WDMA/CSA 101/I.S.2/A440-08
- NAFS-AAMA/WDMA/CSA 101/I.S.2/A440-09 Canadian Supplement Section 5
- Air Leakage: ASTM E283
- Water penetration: ASTM E331
- Structural performance: ASTM E330