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YKK AP Hurricane & Blast Solutions

Roxanne Towers - Myrtle Beach, SC

YSD 700 H

Heavy Duty, Impact-Resistant Architectural Sliding Balcony Door

The **YSD 700** balcony door is designed to provide protection from the fierce cyclical pressures and projectiles associated with hurricane force winds. The engineering behind the design concept provides enhanced structural capabilities to meet stringent building codes. This sliding door is designed to accept 9/16" laminated monolithic lites and 1" or 1-3/16" thick insulating units that may be configured to provide protection from both large and small missile impacts. Fixed lites are integrated into the sub frame for improved performance and reduced cost.

- Variety of configurations available (see back)
- AAMA/WDMA 101/I.S. 2-97/NAFS-02 and AW Performance Grade 120 rated
- Florida Product Approval - HVHZ with +100/-120 PSF
- Factory glazing and screen options available
- Standard heavy-duty hardware, including stainless steel rollers and track cover

Thermal Values:

U-Factor:	Values as low as 0.55*
CRF:	Minimum 21 frame and 56 glass

*Based on NFRC 100. Lower values may be achieved through further simulation.



YSD 700 H SPECS		
Base Depth	7"	
Sightline	1-3/4" at Frame, 2-3/4" on Panels	
Config	Pre-Glazed or Factory Glazed / Center Set	
Tested Glass	1-3/16" Laminated IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.30 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Monolithic Static: 15 PSF (718 Pa) Laminated Static: 20 PSF (958 Pa)	ASTM E 331 AAMA 501
Acoustical (1" IGU)	Laminated STC: 30 Laminated OITC: 27	ASTM E 90 ASTM E 1425

Thermal Performance*								
Mullion Depth	U-Factor - BTU/hr·ft ² ·°F						CRF	
7" (Standard Threshold)	0.62	0.60	0.59	0.57	0.56	0.55	21	56
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507 & NFRC 100							AAMA 1503	

Finish Options	
Type	Standard
Factory Anodized	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

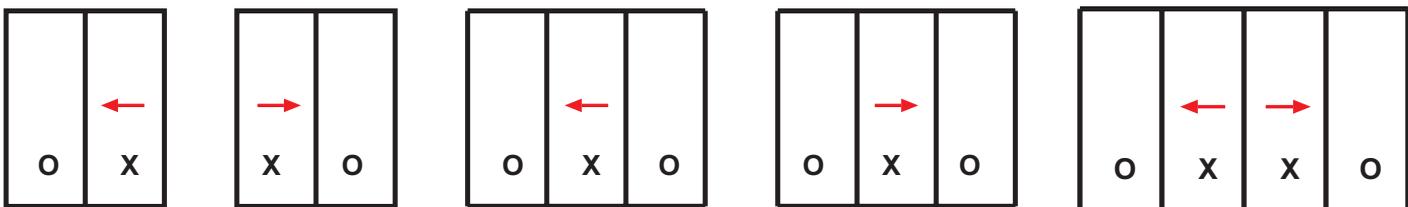
Forced Entry Resistance	
Tested in accordance and meets requirements of Performance Grade 10	ASTM F 842 TAS 202

Structural System Performance	
Performance class of HC, performance grade 120, meet all the requirements of South Florida Building Code and comply with the requirements indicated in those codes.	AAMA 101 TAS 201

*Test data is from YSD 700 and should be similar on the YSD 700 H

NOTE: Balcony door configuration will effect the performance specifications.

Configurations



Standard Hardware

Pull Handles, Integral Handles, Recessed Handles, Thumbturn and Lockbolt options are available. Please see the Balcony Door Hardware sheet on the Product Guide for more information.



Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting www.ykkap.com/commercial/productguide