YSD 600 TH

Thermally Broken, Impact Resistant Sliding Balcony Door

ProTek

ProTek®

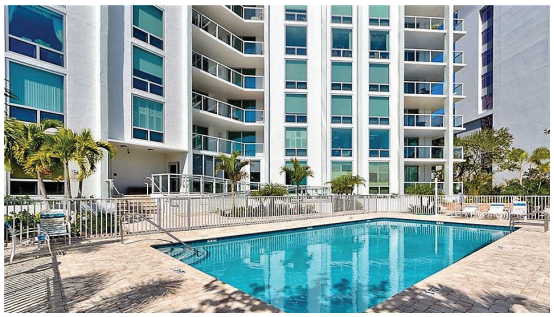
YKK AP Hurricane & Blast Solutions

Architectural Grade Sliding Door

YSD 600 TH is a thermally broken impact resistant architectural (AW) rated sliding glass door designed to provide greater energy efficiency and occupant comfort. The engineering behind the design concept provides enhanced structural capabilities by using aluminum reinforcement instead of steel. This sliding door is designed to accept standard tempered 1" or laminated 1-3/16" thick insulating units. All panels, fixed and operable, may be pre-glazed in the shop to take advantage of a controlled environment and less expensive shop labor.

Product Options & Features

- Available configs: OX, XO, OXO, & OXXO
- Florida Product Approval - HVHZ with +100/-120 PSF
- Thermally broken by ThermaBond Plus® (frame) and MegaTherm® (panels) technology
- Factory glazing and Screens
- Standard heavy-duty hardware, including stainless steel tandem rollers & track cover for years of worry-free operation



YKK AP® Quality inspires®

YSD 600 TH

SYSTEM SPECIFICATIONS

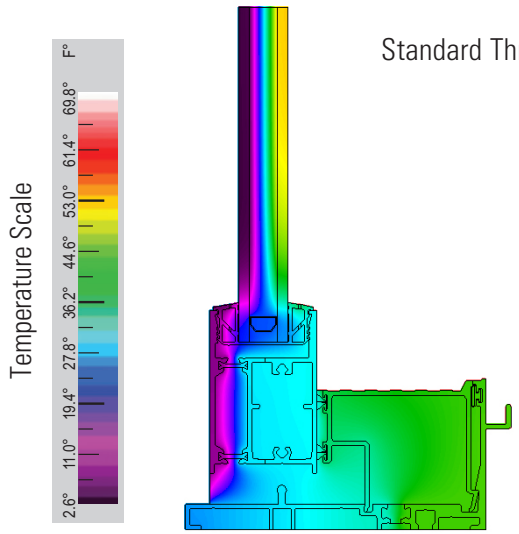
System Depth	Glass	Air Infiltration	Water Infiltration	Thermal Performance	Acoustical Performance	Forced Entry Resistance
6”	1-3/16” Laminated IGU with (C.O.G. U-factor: 0.29)	**Sliding Doors**: 0.30 CFM/FT²	**Static:** 18 psf (861 Pa) **Dynamic:** 18 psf (861 Pa)	**U-factor:** 0.50 BTU/HR•FT²•ºF* **CRF:** Minimum of 53 on frame**	**Lam STC:** 33 **Lam OITC:** 30	Tested in accordance and meets the requirements of Performance Grade 10
Testing Standards		ASTM E 283	ASTM E 331 & 547	*NFRC 100 & **AAMA 1503	ASTM E 90 & 1425	ASTM F 842 & TAS 202

Structural Performance	AW Performance Grade 75
Available Finishes	Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)

Balcony Door configuration will effect specifications.

THERMAL IMAGING

Frame temperature comparison values based on 0º exterior and 70º interior air temperatures.



THERMALLY BROKEN SYSTEM

ThermaBond Plus® process is a pour and debridged process that greatly improves the adhesion of the polyurethane material to the aluminum extrusion. Combining science and technology, ThermaBond Plus® process resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debridged systems.

The MegaTherm® aluminum framing system offers unmatched performance and durability by saving energy and reducing the condensation. The polyamide 6/6 material is much stronger and has a higher melting point than PVC or polyurethane used in other systems; and since its coefficient of thermal expansion is very close to aluminum, the bond between it and the extrusion maintains structural integrity through a wide range of temperature fluctuations.

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:
www.ykkap.com/commercial/product/sliding-doors/ysd-600-th/

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