

YHS 50 TU

Thermally Broken, Impact Resistant and Blast Mitigating Storefront

ProTek



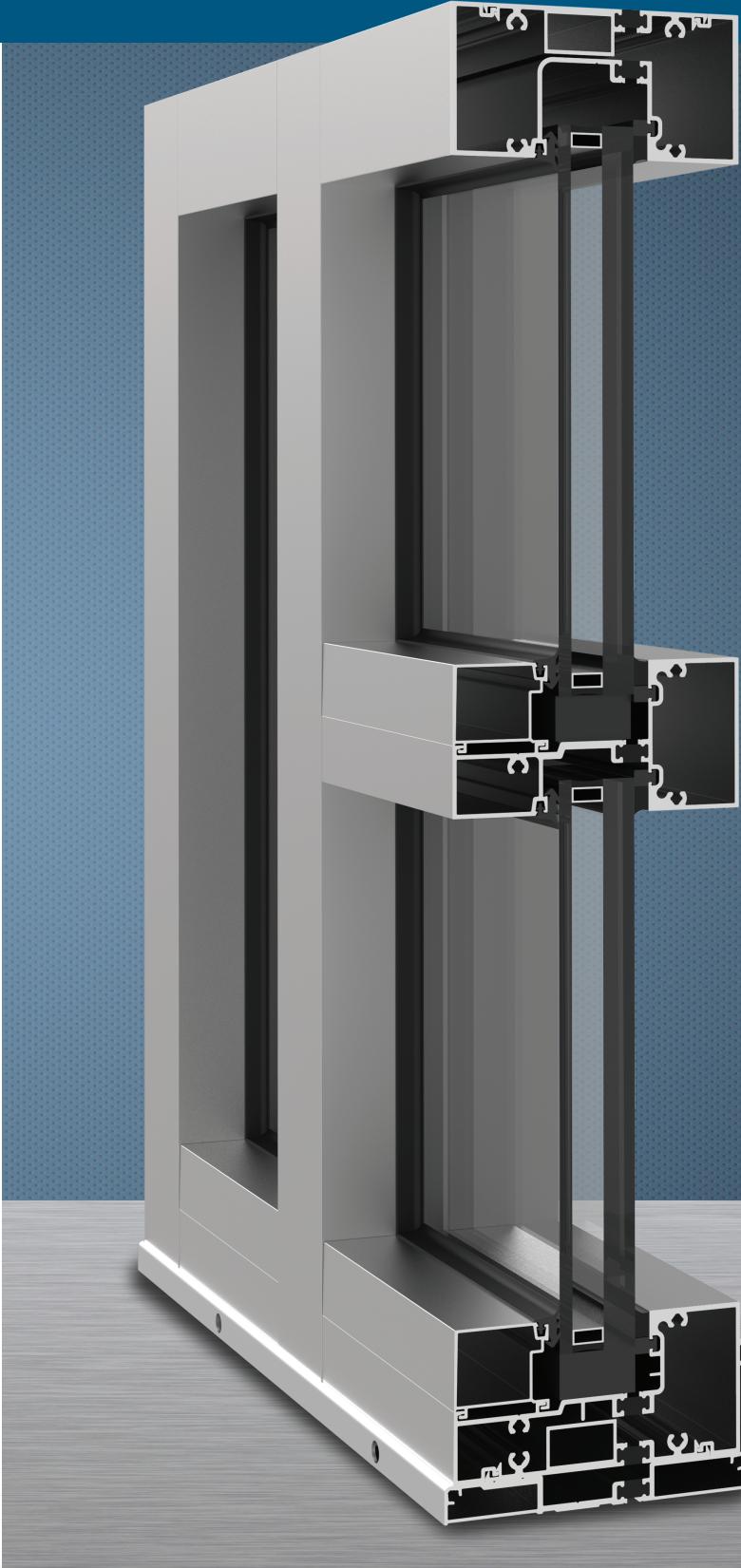
YKK AP Hurricane & Blast Solutions

Product Description

The YHS 50 TU is a high performance storefront system designed for insulating glass 1" to 1-5/16" thick. With varied infill and components, YHS 50 TU can meet the requirements for Impact Resistance and/or Blast Mitigation. Our system is thermally broken by ThermaBond Plus® technology. The YHS 50 TU integrates with H and HL Series entrances with medium or wide stiles. Entrances feature a wide variety of tested and approved hinging and locking hardware, including rim panic and concealed vertical rod exit devices.

Product Options & Features

- **Hurricane Impact** - Large and Small Missile
 - ◆ IBC and Florida Product Approval
 - ◆ Wind Zone 3 & Florida High Velocity Hurricane Zone
- **Blast Mitigation** - Static and Dynamic Analysis capability to meet DoD, GSA and VA standards
- Design Pressures to 70 psf
- Engineered corners reduce job time
- Inside or outside glazing available



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ap | Quality
inspires®

YHS 50 TU

SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Thermal Performance	Acoustical Performance
2-1/2"	5"	Inside or Outside & Center Set	1-5/16" Laminated Insulating	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	Static: 12 PSF (575 Pa) Dynamic: 12 PSF (575 Pa)	U-factor: 0.45 BTU/HR·FT ² ·°F* CRF: Minimum of 59 on frame**	Lam STC: 39 Lam OITC: 33
Testing Standards			ASTM E 283	ASTM E 331 & AAMA 501	* NFRC 100 & ** AAMA 1503	ASTM E 90 & 1425	

Available Finishes

Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)



North Charleston Public Works - Charleston, SC

INDUSTRY-LEADING SILL FLASHING

- ▶ **Taller back leg** - Enhanced water resistance (12 psf) in the field and in testing
- ▶ **Patented 3 Point End Dam Attachment** - Greater protection against handling damage and building settling
- ▶ **No blind seals** - Eliminates secondary penetration of the sill flashing

THERMALLY BROKEN SYSTEM

The ThermaBond Plus® process is a pour and debridged process from YKK AP 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. YKK AP is proud of the system as we strive to offer only products that provide proven performance over the life of the building.



YHS SYSTEM	.060 SentryGlass 50 PSF	DESIGN PRESSURE			144" SPAN	108" to 120" SPAN	OUTSIDE GLAZE	IMPACT MISSILES A & D	INSIDE GLAZE	IMPACT ESSENTIAL FACILITIES
		50	65-70	90						
YHS 50 FS										
YHS 50 FI										
YHS 50 TU										

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:

www.ykkap.com/commercial/product/storefronts/yhs-50-tu/