

YHS 50 FI

Impact Resistant and Blast Mitigating Storefront System

ProTek



YKK AP Hurricane & Blast Solutions

Versatile Storefront Protection

The YHS 50 FI is a high performance storefront system designed for insulating glass that can be 1" to 1-5/16" thick. With varied infill and components, the YHS 50 can meet the demanding requirements of both Impact Resistance and Blast Mitigation. The system integrates with ThermaShade & Luminance sun control products, YKK AP vents and the H or HL Series entrances. The entrances feature a wide variety of tested and approved hinging and locking hardware, including rim panic and concealed vertical rod exit devices.

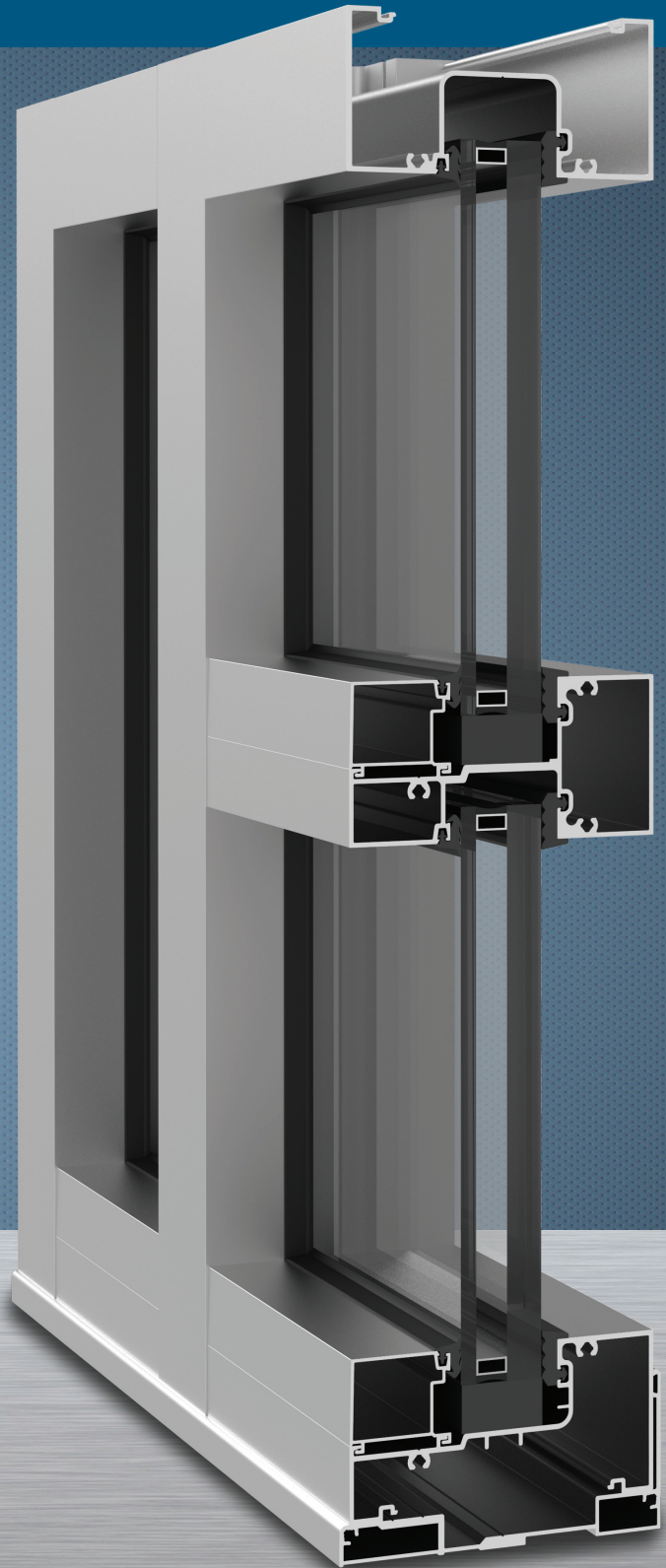
Product Options & Features

- **Hurricane Impact** - Large and Small Missile
 - ◆ IBC and Florida Product Approval
 - ◆ Wind Zone 3 & Florida HVHZ
 - ◆ Approved for Missile Level E - Essential Facilities
- **Blast Mitigation** - Static and Dynamic Analysis capability to meet DoD, GSA and VA standards
- Spans up to 144"; accomodates glass sizes up to 50 square feet
- Design Pressures up to 90 psf
- Engineered corners reduce job time
- Inside or outside glazing available



YKK
ap

Quality
inspires®



YHS 50 FI

SYSTEM SPECIFICATIONS

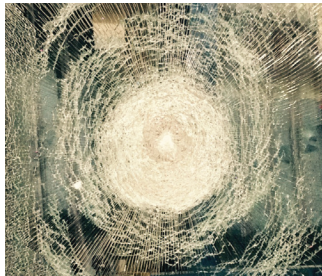
System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Thermal Performance	Acoustical Performance
2-1/2"	5"	Inside or Outside & Center Set	1-5/16" Laminated Insulating	0.06 CFM/FT ² (1.10 m ³ /h-m ²) @ 6.24 PSF (299 Pa)	Static: 12 PSF (575 Pa)	U-factor: 0.49 BTU/HR•FT ² •°F* CRF: Minimum of 35 on frame**	Lam STC: 39 Lam OITC: 34
Testing Standards				ASTM E 283	ASTM E 331 & AAMA 501	* NFRC 100 & ** AAMA 1503	ASTM E 90 & 1425
Florida Product Approval				Wind Zone 3, HVHZ and Missile Level E			
Available Finishes				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)			

MISSILE TESTING

MISSILE D



MISSILE E

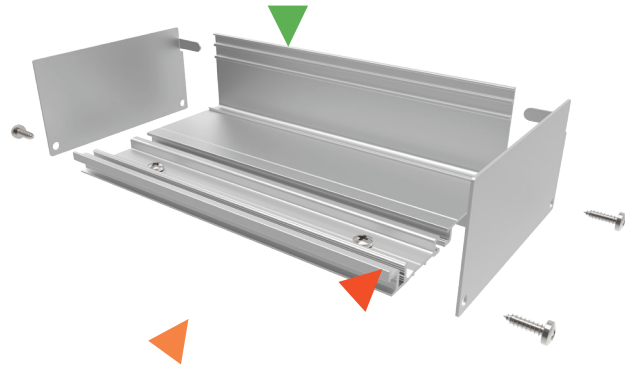


Building codes now call for Missile E protection for essential facilities (Risk Category 4) when the wind speed is 150 mph or greater. Missile E systems must withstand more than twice the impact energy compared to Missile D

- **Low pressure options** – fewer parts and anchors for lower installed cost
- **Taller spans & higher design pressures** – less cost compared to curtain wall
- **Inside Glazing** – lower cost in above grade applications; solves rough terrain and difficult street access issues
- **Large Missile E** – greater protection for essential facilities such as hospitals, police stations and shelters

INDUSTRY-LEADING SILL FLASHING

- ▶ **Taller back leg** - Enhanced water resistance (15 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



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