

# YHC 300 IG

Impact Resistant and Blast Mitigating, Inside Glazed Curtain Wall

ProTek



YKK AP Hurricane & Blast Solutions

## Versatile Performing Curtain Wall

The YHC 300 IG is an inside glazed, high performance curtain wall system designed and tested to meet the most demanding conditions. With varied infill and components, the YHC 300 IG can meet the requirements for Impact Resistance, Blast Mitigation or both. The system features a 3" wide face dimension to permit the glass engagement necessary for higher design pressures and accommodates 1/4" to 9/16" single or 1" to 1-5/16" insulated glazing.

## Product Options & Features

- Large and Small Missile
  - ◆ Small is Dry Glazed, Large is Wet Glazed
- ASTM E 1886 / 1996, TAS 201-203
  - ◆ Tested to +/- 120 psf\*
  - ◆ Florida State-Wide & HVHZ Product Approval
- Blast Mitigation
  - ◆ Meets UFC 4-010-01 standard in accordance with 2007 revisions
  - ◆ Model 35H - "Low Hazard" per ASTM F 1642 test @ 6 psi / 41 psi-ms
- H & HL Single Doors up to 4'x 8' & Pairs up to 8'x 8'

\*Contact YKK AP Engineering for specific Wind Load Analysis at higher levels.

**U-Factor** Values as low as 0.39\*

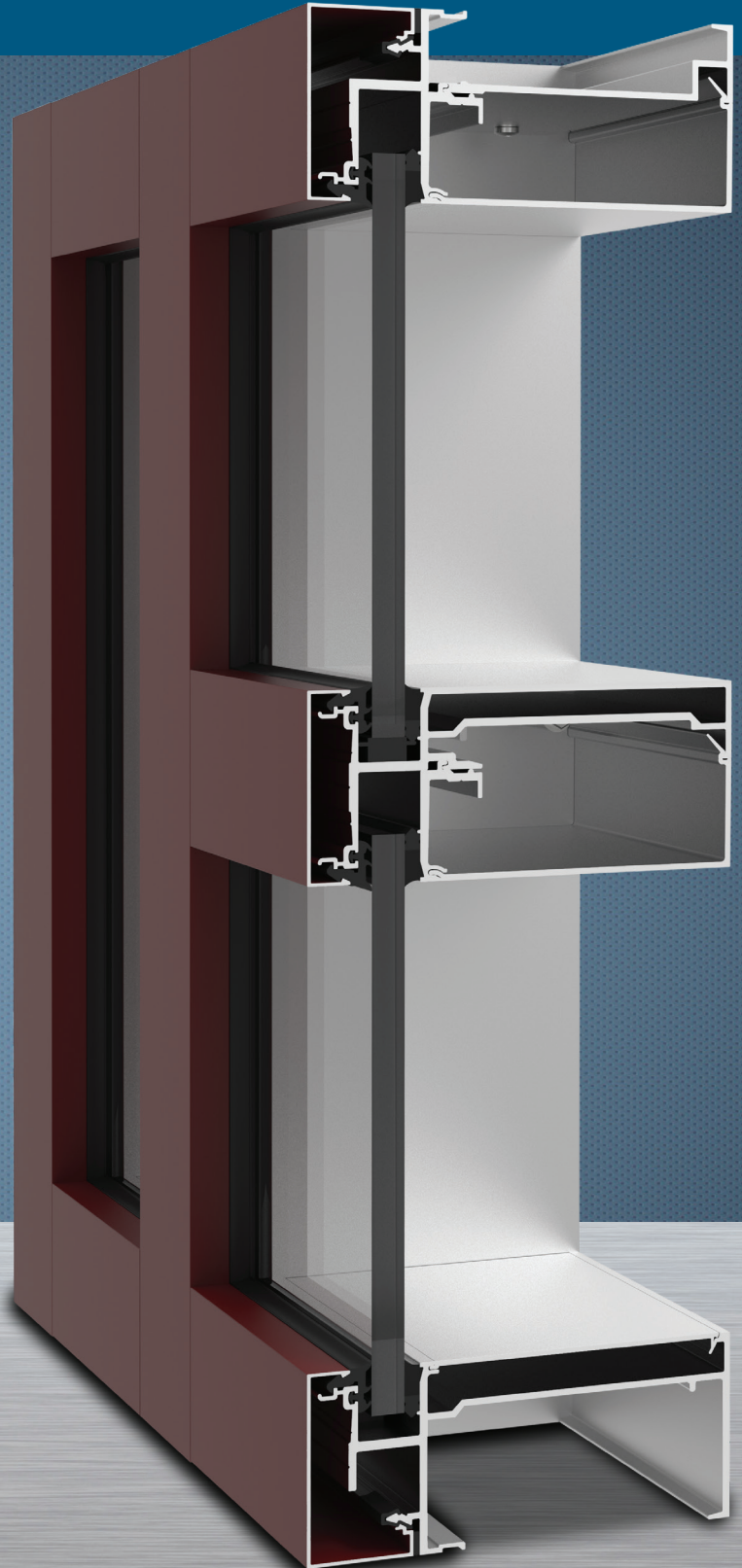
**CRF** Minimum 63<sub>frame</sub> & 67<sub>glass</sub>

\*Based on AAMA 507. Lower values may be achieved through further simulation.



**YKK  
ap**

Quality  
inspires®





# YHC 300 IG

## SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance
3"	7-11/16"	Inside & Front Set	9/16" Monolithic or 1-5/16" IGU with Low-E (C.O.G. U-factor: 0.29)	0.06 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h-m <sup>2</sup> )	Static: 20 PSF (958 Pa) Dynamic: 20 PSF (958 Pa)	Lam STC: 37 Lam OITC: 32
Testing Standards				ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1425
Florida Product Approval				Large and Small Missile, HVHZ		
Available Finishes				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2605)		

Thermal Performance						
1-5/16" Laminated IGU				BTU/hr-ft <sup>2</sup> -°F		
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
3" x 7-11/16"	0.47	0.45	0.44	0.42	0.40	0.39
Testing Standards	AAMA 507					

CRF	
Frame	Glass
63	67
AAMA 1503	



Skyhouse Channelside Apartments - Tampa, FL

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

[www.ykkap.com/commercial/product/curtain-walls/yhc-300-ig/](http://www.ykkap.com/commercial/product/curtain-walls/yhc-300-ig/)