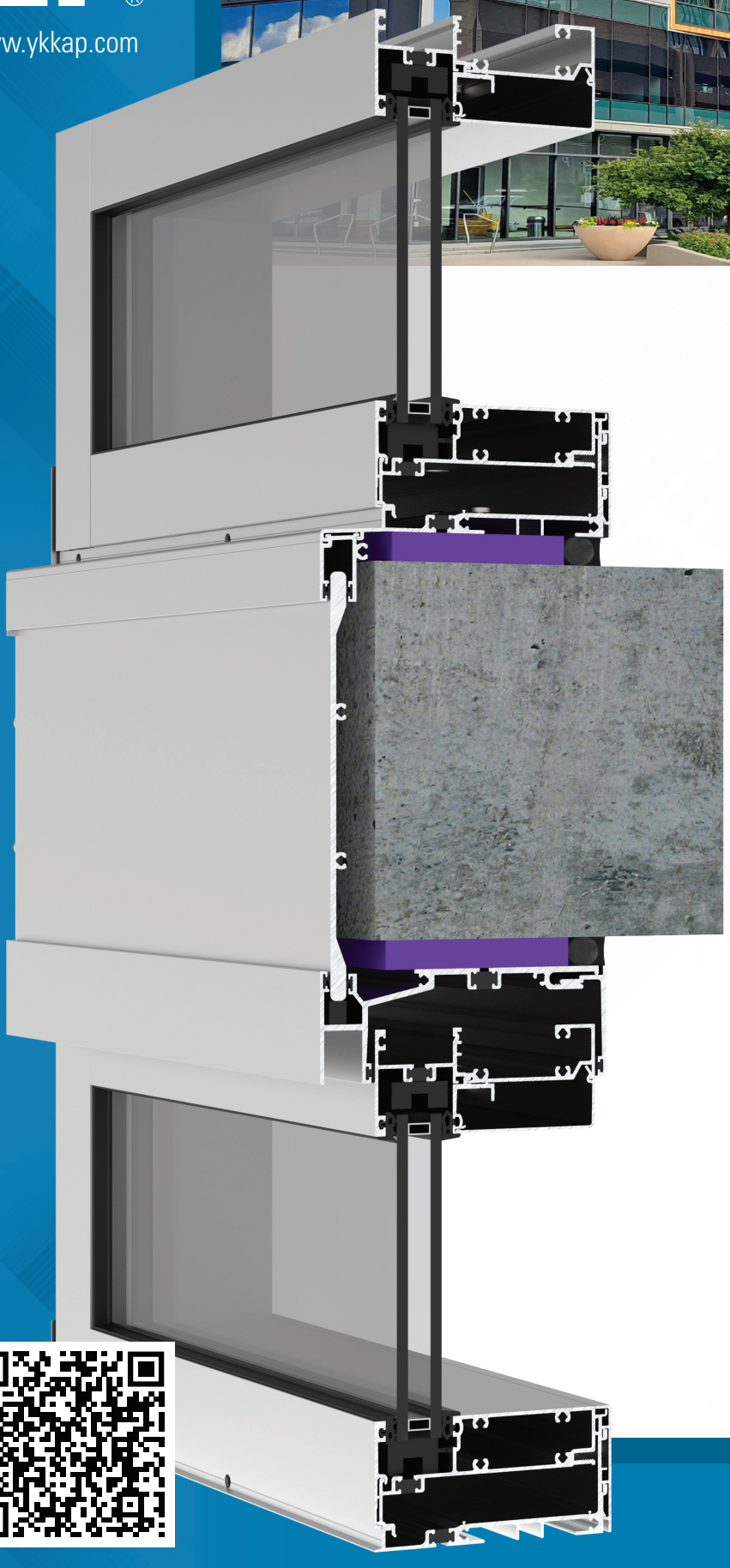
YKK AP®

www.ykkap.com

260 N. Josephine Street - Denver, CO



YWW 50 TU

Thermally Broken Window Wall with Optional Slab Edge Cover

The **YWW 50 TU** is a 5-inch deep window wall glazing system designed for use in various multi-story applications. It includes an innovative slab edge cover that yields the beauty and appearance of a curtain wall application. The glass plane is set to the front to maximize energy efficiency. The thermal performance is further enhanced by YKK AP's ThermaBond Plus® thermal break technology.

- Inside, Outside and SSG Glazing Options
- SSG: 2-Sided Field & 4-Sided Shop/Unitized
- 1" Glazing Standard with 1/4" Infill Option
- Thermally Broken by ThermaBond Plus® Pour and De-Bridged Urethane Barriers
- Punched Opening or Slab Edge Floor-to-Floor
- Tubular Mullions & Head Receptor Options
- Integrates with our YKK AP Entrances

Configuration:

Glazing	Glass Setting	Installation
Outside, Inside and SSG	Front Set	Screw Spline

Thermal Values:

U-Factor:	Values as low as **0.32***
CRF:	Minimum **65**frame and **63**glass

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

YWW 50 TU SPECS			
Base Depth	5" (without Slab Edge Cover)		
Sightline	2-1/4"		
Config	Pre-Glazed (OG,IG, SSG), Field Glazed (IG, OG) / Front Set		
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)		
Test	Results		Standards
Air Infiltration	0.06 CFM/FT^2 (1.10 m^3/h·m^2) @ 6.24 PSF (299 Pa)		ASTM E 283
Water Infiltration	**Static:** 12 PSF (575 Pa) **Dynamic:** 12 PSF (575 Pa)		ASTM E 331 AAMA 501
Acoustical (1" IGU)	Pre-Glazed **Std STC:** 32 **Std OITC:** 27	Field Glazed **Std STC:** 32 **Std OITC:** 27	ASTM E 90 ASTM E 1425
	Pre-Glazed **Lam STC:** 37 **Lam OITC:** 31	Field Glazed **Lam STC:** 35 **Lam OITC:** 29	

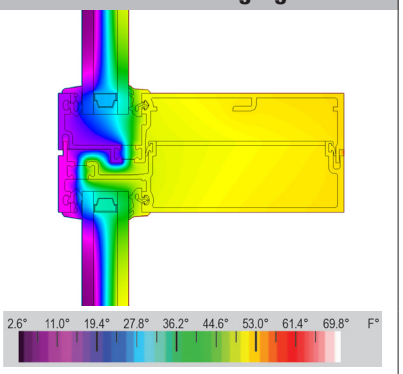
Thermal Performance								
Mullion Depth (1" IGU)	U-Factor - BTU/hr·ft^2·°F						CRF	
2-1/4" x 5" (Pre-Glazed)	0.42	0.40	0.39	0.37	0.35	0.34	65	63
2-1/4" x 5" (Field)	0.40	0.39	0.37	0.35	0.34	0.32	68	62
Center of Glass	**0.30**	**0.28**	**0.26**	**0.24**	**0.22**	**0.20**	**Frame**	**Glass**
AAMA 507 & NFRC 100							AAMA 1503	

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

Various System Options

Expansion Mullion, Slab Edge and Covers, Head Receptors, 90° and 135° Outside and Inside Mullions, Door Jambs and Transoms

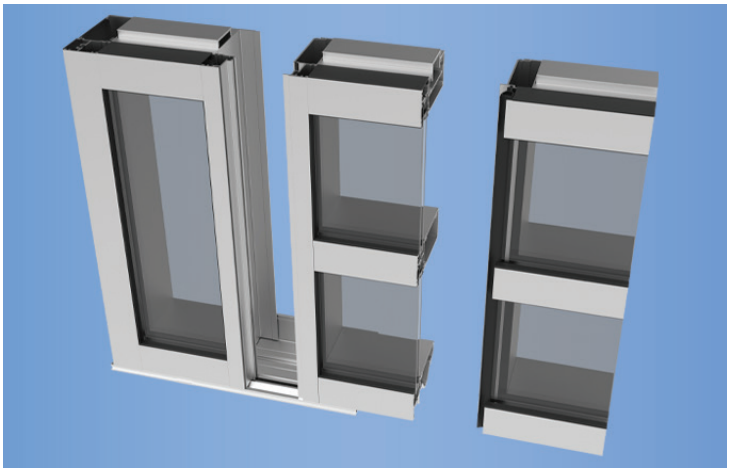
Thermal Imaging

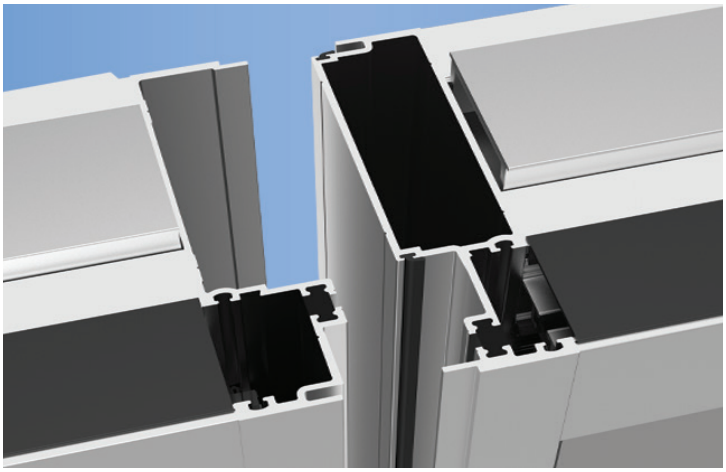


Frame temperature values are based on 0°F exterior and 70°F interior air temperatures.

Unitized Framework

The YWW 50 TU has a Pre-Glazed/Unitized option. By splitting the vertical mullions into male-female pieces, units can be pre-assembled off the job site and fitted together in sections on the job site. This makes installation quicker, and less materials taking up space out in the field.

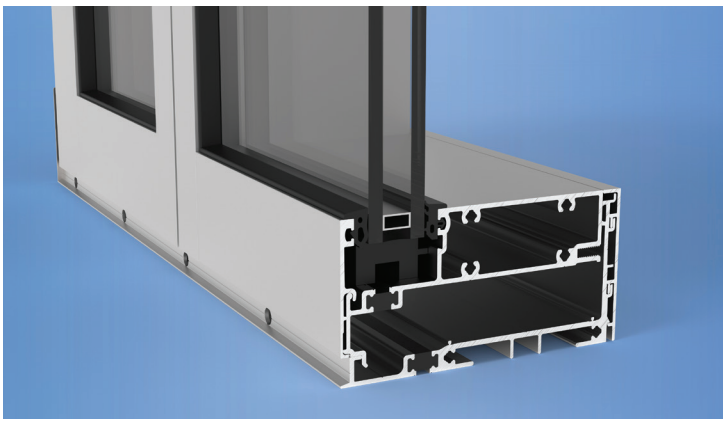




Thermally Broken

While the pour and de-bridge process economically delivers the desired level of energy conservation it has an inherent problem as the polyurethane material does not adhere well to the aluminum. This lack of adhesion has led to a phenomenon known as "dry shrinkage" which may lead to performance issues for the glazing system.

ThermaBond Plus® 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 de-bridged systems.



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**