

35XT & 50XT Doors

Megatherm® Advanced Thermal Commercial Swing Doors

enerGfacade®



Energy Saving Entrance System

Architects seeking LEED certification can enhance a project's energy conservation by specifying our highperformance MegaTherm® XT thermal entrances. To save energy, all aspects of the doors are thermally broken by YKK AP's MegaTherm® polymer, which separates the interior and exterior extrusions by more than 0.270 in to reduce energy flow. Our XT doors feature dual perimeter air seals for superior performance over standard entrances.

Product Options & Features

- 3-1/2" Medium Stile & 5" Wide Stile
- Wide selection of hardware for hinges, locks, closers, and bottom rails
- Several midrail or no-midrail options
- Mechanically joined/welded door corners
- Accepts 1" standard IGU as well as advanced 1-3/8" suspended film glazing
- Frame integrates into a variety of YKK AP systems seamlessly
- Lifetime warranty on all entrance corners*

U-Factor

Values as low as ^{35XT} **0.42** / ^{50XT} **0.45****

CRF

Minimum **58**_{frame} & **66**_{glass}

* Contact YKK AP for specific details on our entrance warranty and limitations.
** Based on AAMA 507. Lower values may be achieved through further simulation.



**YKK
ap**

Quality
inspires®



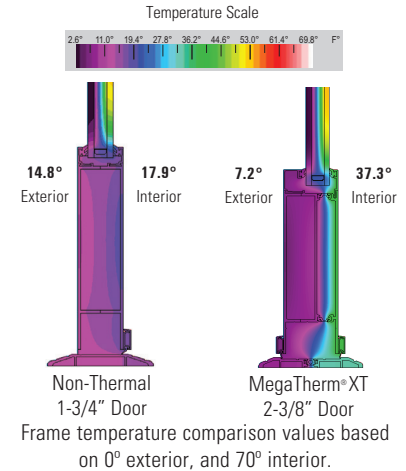
35XT & 50XT

SYSTEM SPECIFICATIONS

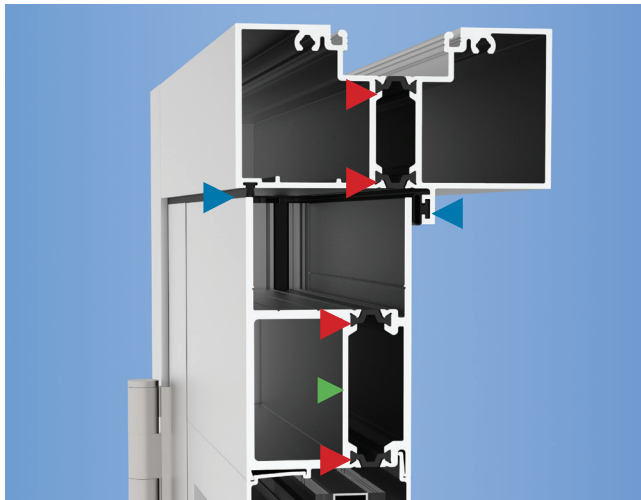
System Style	Glazing & Config	Glass	Air Infiltration (Single Acting Butt Hinges or Offset Pivots)	Structural Uniform Load	Entrance Types	
3-1/2" Medium 5" Wide	Outside & Center	1" IGU with Low-E (C.O.G. U-factor: 0.29)	Single Doors: 0.50 CFM/FT ² Paired Doors: 1.00 CFM/FT ² @ 6.24 PSF (299 Pa)	35XT Door: 50 psf 50XT Door: 50 psf	Standard: Singles: 3' x 7' Pairs: 6' x 7' Offset Pivot, Butt Continuous Hinge, MS Lock, Rim and CVR Exit Device	Custom: Singles: 4' x 8' Pairs: 8' x 8' Standard and Custom Hardware
Testing Standards			ASTM E 283	ASTM E 330		
Available Finishes			Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)			

Thermal Performance						
1" IGU with LowE		BTU/hr-ft ² -°F				
C.O.G. U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
35XT	0.52	0.52	0.51	0.50	0.49	0.48
50XT	0.53	0.53	0.52	0.51	0.50	0.49
1-3/8" IGU with LowE Suspended Film		BTU/hr-ft ² -°F				
C.O.G. U-factor	0.20	0.18	0.16	0.14	0.12	0.10
35XT	0.47	0.46	0.45	0.44	0.43	0.42
50XT	0.49	0.48	0.48	0.47	0.46	0.45
Testing Standards	NFRC 100					

CRF	
Frame	Glass
58 Single 58 Pair	66 Single 64 Pair
56 Single	68 Single
CRF	
Frame	Glass
Not Tested	
AAMA 1503	



- ▶ **Dual Perimeter Air Seal** - Tested and reported thermal performance can be easily degraded in use by excessive air infiltration. Adding a second perimeter air seal on all four sides improves thermal performance. Most competitive doors do not have this feature.
- ▶ **Ultra Performance** - Constructed of polyamide 6/6 with glass fibers on all three axes, MegaTherm® technology delivers high end thermal, structural, and durability performance. Its composition delivers a highly effective thermal barrier that is 500 times more efficient.
- ▶ **Vertical Aluminum Thermal Barrier** - Provides internal cavity separation to give even more thermal performance.
- ▶ **Suspended Film Glazing (Optional)** - Gives the benefits of triple glazing without the added weight of a third piece of glass.



Additional information including CAD details, CSI specifications, Test Reports, Fenestration Product Rating Certificates and Installation instructions are available online at: www.ykkap.com/commercial/product/entrances/megatherm-xt-entrances/