



> MegaTherm® XT Entrances

Energy Saving Swing Doors



Best in Class Thermal Performance

Architects seeking LEED certification can enhance a project's energy conservation by specifying YKK AP's new high-performance MegaTherm® XT thermal entrances.

To save energy, all aspects of the doors, including the frames and thresholds, are thermally broken by YKK AP's MegaTherm polymer, which separates the interior and exterior extrusions by more than 0.270 inches to reduce energy flow. Thermal entrances feature foam polymer inserts and dual perimeter air seals for superior performance over standard entrances.

For example, a Model 35XT pair, when using insulating glass with a soft coat, low emissivity coating, and aluminum spacer – has a U-Factor of 0.49.

Thermal entrances are available in medium stile, Model 35XT, and wide stile, Model 50XT, configurations. A wide selection of hardware options for hinges, locks, closers, mid-rails, and bottom rails are available. Framing solutions integrate into most YKK AP systems utilizing MegaTherm or ThermaBond Plus® thermal breaks.

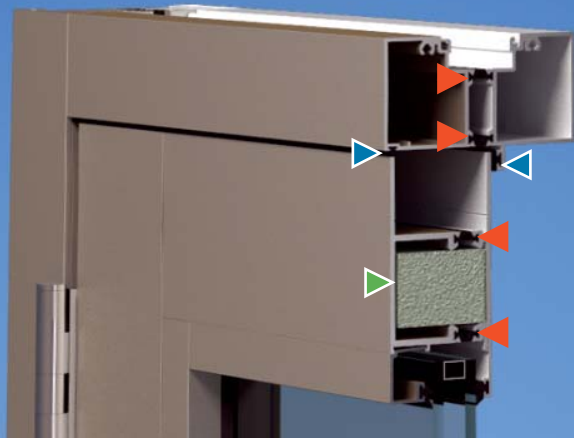
MegaTherm XT entrances accept 1" insulating glazing units. Door corners are mechanically joined/welded and carry a lifetime warranty.



Model 35XT shown, Model 50XT similar.

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Performance Where it Counts

Constructed of polyamide 6/6 with glass fibers on all three axes, YKK AP's MegaTherm® technology delivers high-end thermal, structural, and durability performance. Its composition delivers a highly effective thermal barrier that is 500 times more efficient. Since exterior components can be finished before assembly, dual finishes can be used to meet design requirements.

Foamed Polymer Inserts

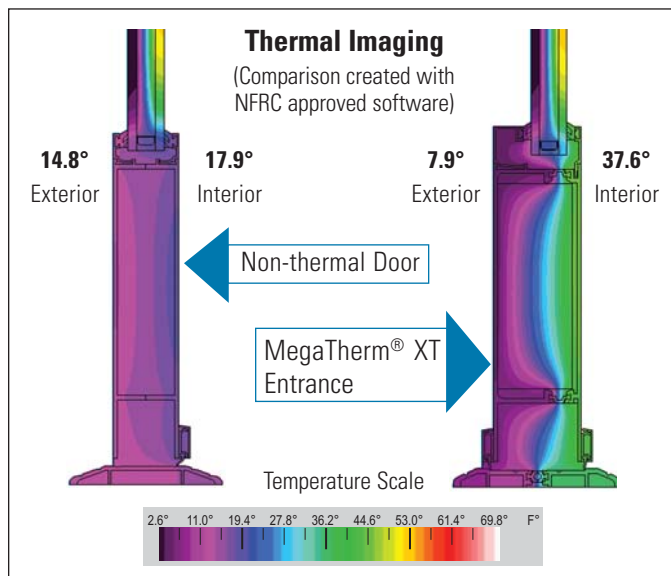
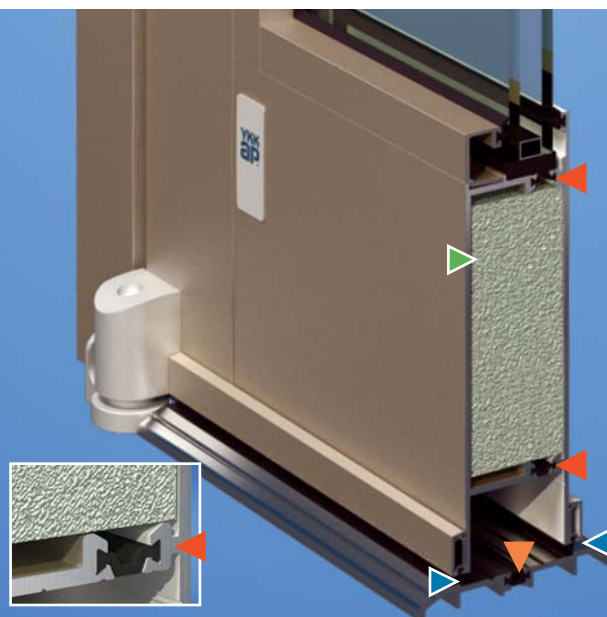
Inserts in all rails for additional insulation to improve U-Factor, Condensation Resistance Factor, and sound deadening.

Thermally Broken Threshold

The thermally broken threshold amplifies the benefits of dual applied door sweep air seals.

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 in the lab and day after day on the job. Most competitive doors do not have this feature.



Standard Entrances

- Singles: 3'-0" x 7'-0"
- Pairs: 6'-0" x 7'-0"
- Offset Pivot, Butt Hung and Continuous Hinge
- MS Lock, Rim and CVR Exit Device

Custom Entrances

- Singles: 4'-0" x 8'-0"
- Pairs: 8'-0" x 8'-0"
- Standard and Custom Hardware

For additional information on architectural aluminum products offered by YKK AP America Inc. visit our web site at www.ykkap.com.