

Trio-E™ Door Openings



Save Building Energy Dollars
with Trio-E Door Openings.

Approximately 40% of all energy leakage comes from the building envelope* this includes exterior doorways. Trio-E doors from Security Metal Products help increase thermal retention and reduce energy leakage. Trio-E will provide years of strength and sustainable energy savings for any building.

Trio-E has the lowest U-Factor (0.29) for a steel stiffened door in the market today. The U-Factor of 0.29 was achieved in an operable condition (ASTM1363) using the SMP Thermal Break Frame and Pemko 273x3AFG Thermal Barrier Saddle. Trio-E delivers superior insulated values and strength plus, provides aesthetic qualities desired in today's commercial building applications.

Green

- Lowest operable U-Factor in the industry for a steel stiffened door (U Factor .29).
- First swinging door to be certified to the new UL Environment UL ISR 102 standard.

Strong

- Steel stiffened core for added strength and durability.
- Can be hurricane rated up to +/- 100 psf.

Beautiful

- No vertical weld marks on door face sheets so aesthetically pleasing gloss paint can be applied.
- Many door designs and prefinish color options available.



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Performance

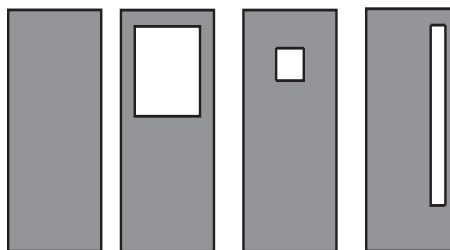
- Thermal Insulation: U-Factor 0.29, R-Value 3.4 (ASTM C1363).
- Physical endurance testing: Meets ANSI A250.4 performance test, level A (4,000,000 cycles) class 1 stiffness.
- Hurricane rating: Up to and including +/- 100 psf 3'0" x 7'0" single or +/- 70 psf 8'0" x 8'0" pair with weather kerf frame and cylindrical lock, mortise lock or rim exit device. U-Factor 0.36, R-Value 2.7 (ASTM C1363).
- Fire rating: Up to and including 3 hours 4'0" x 8'0" singles and 8'0" x 8'0" pairs (UL10C) UL & (4'0" x 8'0" singles WH 1-1/2hr max).



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*Tony Woods, Air tight buildings, 2005

Door Designs



Features and Options

Standard Features:

- 18 gauge face sheets, 16 gage optional.
- 16 gauge inverted end channels welded to both face sheets for added strength.
- 14 gauge closer reinforcement.

Available Sizes:

- 4'0" x 8'0" maximum single, 8'0" x 8'0" maximum pair.

Material:

- Cold rolled or galvaneal steel.

Paint:

- Electrostatically applied prime base coat.



Security Metal Products has taken the steps to insure the doors and frames we manufacture help keep the atmosphere for buildings free from chemicals that can harm developing young bodies. Security Metal Products doors have been tested and certified by the GREENGUARD Environmental Institute to meet the criteria of their Children and Schools Certification Program. GREENGUARD is nationally recognized for helping improve indoor air quality in buildings.

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ASSA ABLOY, the global leader
in door opening solutions