

Energy Efficient Steel Siffened Door

Increase Building Energy Efficiency in Any Weather Condition



With energy prices continually increasing and commercial buildings consuming almost 40% of energy usage in North America, Ceco Door remains committed to providing maximum thermal resistant solutions. The Trio-E door is steel stiffened for strength, but has achieved an operable U-Factor of 0.36 which is better than most other steel stiffened doors currently available on the market today. Many building owners spend millions of dollars a year on energy bills and the Trio-E represents a chance for them to realize significant savings on a new or retrofit project.

Green

- One of the lowest operable U-Factor in the industry for a steel stiffened door (U Factor .36)
- First steel stiffened hollow metal swinging door to qualify for GreenGuard Gold

Strong

- Steel stiffened core for added strength and durability
- Hurricane rated up to +/-100 psf 3'0" x 7'0" single and up to +/-70 psf 8'0" x 8'0" pairs

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

Features and Options

Standard Features:

- 18 Gauge face sheets, 16 gauge 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 galvalume steel

Core:

- 22 gauge steel stiffeners spaced every 6" apart with injected polyurethane foam

Edge Construction:

- Mechanically interlocked, hemmed vertical edge seams
- Seamless edges available

Hardware Reinforcements:

- Reinforcing for most lock preps, including concealed hardware
- 7 Gauge steel hinge reinforcements

Paint:

- Electrostatically applied prime base coat
- Optional Colorstyle factory pre-finish





Ceco Door Trio-E
Insulated Steel
Stiffened Door

Ceco Door Mercury
Thermal Break Frame

Performance

- Thermal Insulation: U-factor of 0.36 (ASTM C1363/NFRC 102-2014) for maximum energy efficiency. The U-Factor of 0.36 and Air Infiltration (NFRC 400-2014/ASTM E283) of ≤ 0.1 cfm/ft² was achieved in an operable condition using the Ceco Mercury Thermal Break Frame and Pemko Thermal Barrier Saddle. The building's actual energy performance and potential savings is a combination of the openings thermal efficiency and ability to reduce air infiltration/exfiltration.
- Physical endurance testing: Meets ANSI A250.4 performance test, level A (5,000,000 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" pairs with weather kerf frame and cylindrical lock, mortise lock or rim exit device. U-Factor 0.38, R-Value 2.6 (NFRC 102-2014)
- 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)

Ceco Door
9159 Telecom Drive • Milan, TN 38358
Tel (888) 232-6366 • Fax (888) 232-6462
archhelp@cecodoor.com
www.cecodoor.com

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CEC-142-06/21



RAL Color Deck



RAL 7037



RAL 7038



RAL 7039



RAL 7040



RAL 7042



RAL 7043



RAL 7044



RAL 7045



RAL 7046



RAL 7047



RAL 7048



RAL 8000



RAL 8001



RAL 8002



RAL 8003



RAL 8004



RAL 8007



RAL 8008



RAL 8011



RAL 8012



RAL 8014



RAL 8015



RAL 8016



RAL 8017



RAL 8019



RAL 8022



RAL 8023



RAL 8024

BLACK COLOR TBD



RAL 8025



RAL 8028



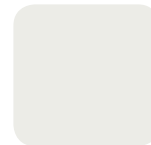
RAL 8029



RAL 9001



RAL 9002



RAL 9003



RAL 9004



RAL 9005



RAL 9006



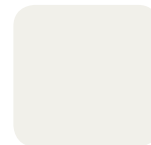
RAL 9007



RAL 9010



RAL 9011



RAL 9016



RAL 9017

BLACK COLOR TBD



RAL 9018



RAL 9022



RAL 9023

Actual colors may vary from colors shown on your monitor.

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