1-3/4" IMPERIAL MAXIM (IU) 14 GAGE STEEL
POLYURETHANE FOAM CORE, SEAMLESS, CUSTOM TYPE
BEVELED LOCK EDGE, HANDED

Designed to Take Extreme
People Punishment, Insulated ...

Foamed-in-Place Polyurethane core
fills entire cavity. Core is chemically
bonded to all interior surfaces.
High impact resistance. Excellent
insulation Characteristics. Heavy
weight hinge preparations.

Suggested Use:
Interior or Exterior ...
* Primary Schools
* Middle Schools/High Schools
* College/Universities
* Vocational Training Centers
  Rehabilitation Centers
  Mental Health Care Facilities

* Door has Full Lifetime Warranty when used in Schools
Hardware locations shown match Ceco standard frames.

DOOR ELEVATION

VERTICAL SECTION

HORIZONTAL SECTIONS

CONVERSION: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm

OVERLAPPING ASTRAGAL

4441
FOR 1-3/4" THICK DOORS

OVERLAPPING ASTRAGAL

4471
FOR 1-3/4" THICK DOORS

RETURN TO TOP
TECH-DATA

IMPERIAL MAXIM DOORS

16 GAGE STEEL END CHANNELS

WELDED TO BOTH FACE SHEETS

INVERTED TOP AND BOTTOM

OPTIONAL TOP AND BOTTOM CAPS ARE AVAILABLE

VERTICAL EDGES

SEAMLESS VERTICAL EDGES

CONTINUOUS SEAM WELDED FULL HEIGHT AND GROUND SMOOTH

CLOSER REINFORCEMENT (OPTIONAL)

14 GAGE STEEL CHANNEL 20" LONG

Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm

LOCK PREPARATION

Gov. 160/161 CYLINDRICAL TYPE

(LC1)

(ANSI A115.2)

2-3/4" BACKSET

LOCK EDGE IS BEVELED 1/8" IN 2" (1:16)

HINGE PREPARATION

4-1/2 OR 5 IN.
HIGH HEAVY WEIGHT, FULL MORTISE HINGES

HINGE EDGE IS HANDED AND NOT BEVELED.

LOCK PREPARATION

Gov. 86, ANSI/BHMA A115.1 MORTISE TYPE

(LMO)

NOTE: EITHER OF THE LOCK REINFORCEMENTS/ GUARDS SHOWN MAY BE INSTALLED WITH ANY MORTISE LOCK PREPARATION.

GLAZING TRIM

SlimTrim FOR ALL FIRE DOORS

3/8" WIDE GLAZING POCKET

STEEL LISTED

FIXED SLAT TYPE LOUVER 4634

FOR 1-3/4" THICK DOORS

50% FREE AIR FLOW

RETURN TO TOP
TECH-DATA

IMPERIAL MAXIM DOORS

STANDARD SIZES

<table>
<thead>
<tr>
<th>NOMINAL DOOR OPENING</th>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2'-0&quot;</td>
<td>4'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>2'-4&quot;</td>
<td>4'-8&quot;</td>
<td></td>
</tr>
<tr>
<td>2'-8&quot;</td>
<td>5'-0&quot;</td>
<td>6'-8&quot;</td>
</tr>
<tr>
<td>2'-10&quot;</td>
<td>5'-8&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>6'-0&quot;</td>
<td>7'-10&quot;</td>
</tr>
<tr>
<td>3'-4&quot;</td>
<td>6'-8&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>3'-6&quot;</td>
<td>7'-0&quot;</td>
<td>9'-0&quot;</td>
</tr>
<tr>
<td>3'-8&quot;</td>
<td>7'-4&quot;</td>
<td></td>
</tr>
<tr>
<td>3'-10&quot;</td>
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<td></td>
</tr>
<tr>
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<td>8'-0&quot;</td>
<td></td>
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</tbody>
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FINES DOORS

LABELING AGENCY:
- UNDERWRITERS LABORATORY
- WARNER HERSEY

TEST: UL 10C, UL 10B, UL 1784, & NFPA 252

*DESIGNS: F, G, N, V

*RATING:
1/2 HR, 3/4 HR, 1-1/2 HR, or 3 HR
MAX. SIZE: 4'0" x 7'0" SINGLE

*RATING:
1/3 HR, 3/4 HR, 1-1/2 HR, or 3 HR
MAX. SIZE: (2) 4'0" x 7'0" with Mullion

PRODUCT SPECIFICATIONS:

1-3/4" Thick steel doors shall be as manufactured by Ceco Door Products, Milan, TN USA. Doors shall conform to the Steel Door Institute guide specification, ANSI A250.8; see chart below for performance classifications.

IMPERIAL MAXIM doors are seamless design. Faces sheets are commercial quality cold rolled steel conforming to ASTM A1008 ...or (optional) hot-dipped galvannealed or galvanized steel conforming to ASTM A924 and A653 -- see chart below.

Door face sheets are flush with no visible seams; vertical edges are welded the full height and ground smooth with no visible seams. Face sheets are totally supported by a foamed-in-place polyurethane core. The core fills the entire door cavity and is chemically bonded to all interior surfaces. Density of foam exceeds 1.8pcf and it has a crush strength of 3600 psi. The top and bottom door edges are closed with 16 gage steel channels welded to both face sheets. Door has Full Lifetime Warranty when used in Schools.

Hardware Provisions: Hinge preparations are handed. Hinge edges are mortised for 4-1/2" or 5" high, heavy weight hinges (specify which). 7 gage steel hinge reinforcements are welded inside the door edge and are drilled and tapped for fasteners in accordance with ANSI A156.7. The lock edges have a standard bevel (1:16) and is prepared for Gov. series 86 or 160/161 locks in accordance with ANSI A115 (specify which). Optional closer reinforcement is a 14 gage steel channel.

Paint: 1-3/4" steel doors shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

MATERIAL

<table>
<thead>
<tr>
<th>DOOR FACE SHEETS</th>
<th>LEVEL</th>
<th>C.R.</th>
<th>GALV</th>
<th>RECOMMENDED DOOR FRAME MATERIAL</th>
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</thead>
<tbody>
<tr>
<td>14 Gage Steel</td>
<td>Maximum Duty</td>
<td>C.R.</td>
<td>GALV</td>
<td>RECOMMENDED DOOR FRAME MATERIAL</td>
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<tr>
<td></td>
<td></td>
<td>STD</td>
<td>OPT</td>
<td>12 or 14 Gage Steel</td>
</tr>
</tbody>
</table>

PERFORMANCE

Thermal Characteristic Value: CORE CALCULATED (ASTM C518)

\[ R = 11.01 \]
\[ U = 0.091 \]

*NFRC102–2014: The general requirements of testing shall be as defined in NFRC 102, ASTM C1199 and ASTM C1363.

Sound Transmission
Class: STC 26 (F Design)
Physical Endurance
Level: Meets ANSI A250.4 Performance Test,
Level A (1,000,000 Cycles)

(Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)