STC 47 (Embossed 2 Panel Single Doors)

TESTED AND IN COMPLIANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMMA 865 & SDI-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS AND THRESHOLD AS REQUIRED FOR RATING.

The Required Core Will Be Provided To Achieve The Rating Needed. Appropriate Accoustical Seal Sets Are Provided With Each STC Rated Assembly.

Suggested Uses:
Conference Rooms, Clinical Offices, Courtrooms, Legal Offices, Broadcast Studios, Boardrooms, Libraries, Music Rooms, and Performing Arts Studios, Hotel/Motel, and Military Barracks.

Technical Specifications:
- REVOLUTIONARY SOUND ABSORPTION CORE
- OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT
- 1-3/4" Sound-Tech Xpress STX 47 SHOWN
- PEMKO SEAL SET 2
- REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.
- 2009APK or 2009DPK
- GLASS CUTOUTS ARE NOT ALLOWED.
- *2-3/8" LOCK BACKSET ONLY IN 2'8" WIDTH
- *CONFIRM ROSE SIZE IS COMPATIBLE WITH SEAL SET AND LOCK BACKSET.

Options:
- E201
- E202
- E203

<table>
<thead>
<tr>
<th>2 PANEL</th>
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<tr>
<td>WIDTH</td>
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<tr>
<td>HEIGHT</td>
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<td>GAGE</td>
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Experience a safer and more open world.
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

(3) SPACES @ 26" (2) SPACES @ 33" (2) SPACES @ 31"

(3) SPACES @ 26" (2) SPACES @ 33" (2) SPACES @ 31"

SINGLE SWING

3/8" UNDERCUT

ACTUAL LEAF WIDTH

1/8"

DOOR OPENING WIDTH

28" AND 30"

HORIZONTAL SECTION

TYPICAL PROFILE

2" W/4" HEAD

5/8"

4-1/8" Thru 14" (Single Rabbet)

5-3/4" Thru 14" (Double Rabbet)

SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

STC 40 AND ABOVE REQUIRE GROUT

GROUT

CAULK BETWEEN FRAME AND WALL

It is important that acoustic door systems be properly installed and sealed into the wall to prevent "flanking noise". Acoustical systems are furnished with specific detailed sound seal installation instructions.

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

Sound-Tech Xpress Door System

PRODUCT SPECIFICATIONS:

1-3/4" thick acoustical steel door system shall be as provided by Ceco Door Products, USA. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8 as applicable.

The doors are commercial quality zinc coated A40 galv. steel conforming to ASTM A653 & ASTM A924. Acoustic core and internal construction is manufacturer's proprietary standard as tested in accordance with ASTM E90, E413, E1332, & E2235 to furnish the STC rating specified. Door systems are in compliance with HMMA 865 and SDI-128 specifications. A physical door label is applied to certify the product and identify the specific rating. The label will be applied to the door only and there will not be a label applied to the frames.

Frames are single or double rabbet profile of continuously welded construction and are available for any masonry and acoustic wall system applications. They are constructed of 16 gauge min. or 14 gauge max. to provide the STC performance specified. Frames are cold roll steel standard. Galv. A60 is optional. Mutes are not allowed in these frames. Frames must also be grout filled to achieve the STC47 rating.

Hardware Provisions: Hinge preparations are handed. The square hinge edges are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). Cam lift or offset pivots are not allowed. The door lock edge has a standard bevel and is prepared for ANSI A115.2 cylindrical lock only. Lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2).

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform to ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available, for the door and 3 sided frame, 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.

Note: Industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, flanking, etc. may result in a difference of 3db – 5db sound loss in a field test versus lab test.

<table>
<thead>
<tr>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
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<tbody>
<tr>
<td>SEE BELOW</td>
<td>3/8&quot;</td>
<td>3/4 HOUR (3'0&quot;x7'0&quot; MAX.)</td>
<td>Pemko Seals: S44, 312CR &amp; 2009_PK Threshold-Set 2</td>
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STC 47 WITH CYLINDRICAL LOCK, NO OPTIONAL HARDWARE PREPARATIONS ALLOWED.

OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.