1-3/4" Sound-Tech Xpress

STC52 (Flush Singles)

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, BOTTOM 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.

Refer to www.cecodoor.com for installation instructions.

STX 52 SHOWN PEMKO SEAL SET 6

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

REVOLUTIONARY SOUND ABSORPTION CORE

F (ELEVATION)
Some common masonry applications shown below.

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

(Convulsion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)
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 and frames are commercial quality cold-rolled steel conforming to ASTM A1008 or optional zinc coated steel conforming to ASTM A663 & 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 & SDI-128 specifications. Flush mounted top and bottom caps are applied. 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 acoustic wall system applications. They are constructed of 16 gauge min. or 14 gauge max. to provide the STC performance specified. Mutes are not allowed in these frames. The frames must also be grout filled to achieve the STC rating.

Hardware Provisions: Hinge preparations are handied. The square hinge edges are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). The door lock edge has a standard bevel and is prepared for ANSI A115.2 cylindrical, or ANSI A115.1 mortise lock. Lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2). Optional surface mounted closer reinforcements are available. Mag locks, Electric Power Transfer (EPT) and deadlocks are options for STC 52.

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color prime 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, for the door & 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.

ACOUSTICAL FIRE DOORS

LABELING AGENCIES:
- UL
- WARNock HERSey

TEST: UL 108, UL 10C, UL 1784, & NFPA 252
RATING:
- 2O MIN. THRU 3 HRS.
- (STC 52) FLUSH SINGLES
- 4" x 8" Max.
- DESIGNS: FLUSH ONLY

Pemko Seals: S88, S44, S773, S771, ACP112, 2009_PK Threshold-Set 6

STANDARD SIZES

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE</td>
<td></td>
</tr>
<tr>
<td>2'-0&quot;</td>
<td>6'-0&quot;</td>
</tr>
<tr>
<td>2'-4&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td>2'-8&quot;</td>
<td>7'-4&quot;</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>3'-4&quot;</td>
<td></td>
</tr>
<tr>
<td>3'-8&quot;</td>
<td></td>
</tr>
<tr>
<td>4'-0&quot;</td>
<td></td>
</tr>
</tbody>
</table>

ACOUSTICAL DOOR SYSTEM LABELS

STC 52
CORE CONSTRUCTION
INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS, USE APPROVED SEAL SET

ACTUAL STC RATING SHOWN HERE

Sound-Tech Xpress Door Systems

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Doors</td>
<td>52</td>
<td>Cyl/Mort.</td>
<td>3/8&quot;</td>
<td>3 HOUR Pemko Seals: S88, S44, S773, S771, ACP112, 2009_PK Threshold-Set 6</td>
</tr>
</tbody>
</table>

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRIC POWER TRANSFER (EPT), MAG LOCK OR DEADLOCK.

STC 52 WITH CYLINDRICAL LOCK MAY HAVE ANY COMBINATION OF (2) OPTIONAL PREPS.
STC 52 WITH MORTISE LOCK MAY HAVE (1) OPTIONAL PREP.

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

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