2-1/2" STC 55 Sound-Tech Xpress

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 Set Is 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/Government facilities.

STX55 SHOWN
Seal set 7

REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.

2009APK or 2009DPK

REVOLUTIONARY SOUND ABSORPTION CORE
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

C/L of ANSI 4-7/8" STRIKE

41.813"

C.L. of ANSI 4-7/8" STRIKE

NOMINAL DOOR OPENING HEIGHT

ACTUAL LEAF HEIGHT

3/8" Undercut

SINGLE SWING

VERTICAL SECTION

3/8" ACTUAL LEAF WIDTH  1/4"

DOOR OPENING WIDTH  2'-0" THRU 4'-0"

HORIZONTAL SECTIONS

SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

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 detailed installation instructions.

(Typical Profile)

2"

STRIKE JAMB

1-1/4"

1-1/16"

2" w/4" HEAD optional

HINGE JAMB & HEAD

1-1/4"

2" w/4" HEAD optional

2-3/4"

6-3/4" Thru 14" (Double Rabbet)

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

Experience a safer and more open world

BACK TO TOP
TECH-DATA

Sound-Tech Xpress Door System

PRODUCT SPECIFICATIONS:

2-1/2" 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 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 & SDI-128 specifications. Optional surface mounted closer reinforcements are available. 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 double rabbet profile of continuously welded construction and are available for any masonry acoustic wall system applications. They are constructed of 16 gauge 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: Doors and frames will be reinforced for a Pemko X25MC or X25MD (specify finish) extra heavy duty continuous hinge (supplied by Ceco). The door lock edge has a standard bevel and is prepared for a Sargent 11 Line or Corbin Russwin CL3100 (ANSI A115.2) cylindrical lock. Check with Sargent for the STC 55 11 Line lock order code. Check with Corbin Russwin for the STC 55 CL3100 lock order code. When a 2-3/4" back set is used, Sargent “B” or “O” rose, Corbin Russwin “C” or “K” rose should be specified. 3-3/4" is an optional back set with other rose trims. A 3/4" latch throw is required. The 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 prime paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. “Colorstyle” factory finish coat is not available.

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>STC Rating</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
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</thead>
<tbody>
<tr>
<td>Single Door</td>
<td>55</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>N/A</td>
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<td>Pemko Seals:S776, S44, 2009_PK Threshold-Set 7</td>
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OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

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