1-3/4" Sound-Tech Xpress

STC32 thru STC41 (Flush Single 450° Temperature Rise)

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.

REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

SINGLE SWING

ACTUAL LEAF WIDTH 3/2

DOOR OPENING WIDTH 20" THRU 40"

HORIZONTAL SECTION

TYPICAL PROFILE

Optional Profile

2" w/4" HEAD OPTIONAL

5/8"

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

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

SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

STC40 & ABOVE REQUIRE 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.

(Conv. 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 Systems

MASSONRY "T" ANCHOR

WIRE MASONRY ANCHOR

(ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH & PROFILE)

EXISTING OPENING ANCHOR
EO

ANCHOR FITS VARIOUS DEPTH FRAMES (SEE BELOW)

EO/P&S

2"

SNAP-IN TYPE

SU PROFILE
EO/S6: 4-3/4" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

SQ PROFILE
EO/S6: 5-1/8" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

DOOR CONSTRUCTION TOP AND BOTTOM

THRESHOLD

LOCK PREPARATIONS

CYLINDRICAL
ANSI A115.2
BACKSET
2-3/4" (STD)*
3-3/4" (OPT)

LOCK EDGE IS BEVELED
1/8" IN 2"

HINGE PREPARATION

HINGE PREP IS HANDED

7 GAGE REINFORCEMENT

4-1/2" OR 5" REGULAR OR HEAVY WEIGHT HINGES
ANSI A156.7

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

Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm
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 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. Door systems are in compliance with HMMA 865 & SDI-128 specifications. Doors may be 450° temperature rise rated with STC 32-41 rating and fire rated up to and including 1-1/2 hours. A physical STC door label is applied to certify the product and identify the specific rating. The STC label will be applied to the door only and there will not be a label applied to the frames.

Frames are single or double rabbot 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. Mutes are not allowed in these frames. Assemblies STC rated 40 and above must also be grout filled to achieve the STC 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). The door lock edge has a standard bevel and is prepared for ANSI A152.2 cylindrical, ANSI A152.1 mortise lock. Electric power transfer, mag switch and dead bolt hardware preparations are not allowed.

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color prime 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 & 3 sided frame, from a Pantone color selection chart. Optional colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall confirm 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.

### 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>Max. Lite Visible Area</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single 32-41</td>
<td>Cyl or Mortise</td>
<td>3/8&quot;</td>
<td>1-1/2 Hr.</td>
<td>N/A</td>
<td>Pemko seals: 319CN &amp; 2009_PK Threshold-Set 41</td>
</tr>
</tbody>
</table>

STC 32-41 WITH CYLINDRICAL LOCK OR MORTISE LOCK, OPTIONAL PREPARATIONS NOT ALLOWED.

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