STC 42-51 (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.

STX 42-51 SHOWN PEMKO SEAL SET 6
REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.

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

MASSONRY "T"
ANCHOR

Snap-in type
(with floor anchor)

WIRE MASONRY
ANCHOR

7 ga. galv. steel
Snap-in type

(ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH & PROFILE)

EXISTING OPENING
ANCHOR
EO

ANCHOR FITS
VARIOUS DEPTHS
FRAMES (SEE BELOW)

SU
PROFILE
EO/56: 4–3/4" thru 8–3/4" depth
EO/58: 6–7/8" thru 8–3/4" depth

SQ
PROFILE
EO/56: 5–1/8" thru 8–3/4" depth
EO/58: 6–7/8" thru 8–3/4" depth

EXISTING OPENING
ANCHOR
EO/P&S

LOCK
PREPARATIONS

CYLINDRICAL
ANSI A155.2
BACKSET
2–3/4" (STD)
3–3/4" (OPT)

CYLINDRICAL &
MORTISE DEADLOCK
(optional)

LOCK EDGE IS BEVELED
1/8" in 2"

DOOR CONSTRUCTION
TOP AND BOTTOM

HINGE
PREPARATION

HINGE PREP
IS HANDED

7 GAGE REINFORCEMENT

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

LOCK
PREPARATION
GOV. 86, ANSI/BHMA A155.1
MORTISE TYPE

(LMO)

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)

Experience a safer and more open world
TECH-DATA

STANDARD SIZES NOMINAL DOOR OPENING

<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'-6&quot;</td>
<td>7'-2&quot;</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>3'-6&quot;</td>
<td></td>
</tr>
<tr>
<td>4'-0&quot;</td>
<td></td>
</tr>
</tbody>
</table>

ACOUSTICAL FIRE DOORS

LABELING AGENCIES:
- UL
- WARNOCK HERSEY

TEST: UL 10B, UL 10C, UL 1784
& NFPA 252
RATING:
- 2D MIN. THRU 3 HRS.
(STX 42-51) FLUSH/SINGLES
4"0 x 8"0 MAX.
- DESIGNS: FLUSH ONLY

STC 51

CORE CONSTRUCTION

INSTALL PICT primitive
MANUFACTURER'S
INSTRUCTIONS:
USE APPROVED SEAL SET

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 specified. Door systems are in compliance with HMMA 865 & 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 frame.

Frames are single or double rabbit 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. The frames must also be grout filled to achieve the STC rating.

Hardware Preparations: 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 A115.2 cylindrical, ANSI A115.1 mortise lock, ANSI 156.3 rim exit device or lockmaster lock for government or military projects. Lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2) or rim exit reinforcement. Electric Power Transfer (EPT), mag switch and cylindrical deadbolt's are additional optional hardware.

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 selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall conform to ANSI A250.3. For accurate color selections 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>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>42-51</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42-50</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Optional Hardware Preparations are: Electric Power Transfer (EPT), Mag Switch and Deadlock

STC 42-50 with Cylindrical Lock may have any combination of (3) Optional Preps.
STC 42-49 with Mortise Lock may have any combination of (3) Optional Preps.
STC 42-48 with Rim Panic may have any combination of (3) Optional Preps.
STC 42-47 with Lockmaster/Military Lock may have any combination of (3) Optional Preps.
STC 48 with Lockmaster/Military Lock may have any combination of (2) Optional Preps.
STC 49 with Lockmaster/Military Lock may have (1) Optional Prep.
STC 49 with Rim Panic may have any combination of (2) Optional Preps.
STC 50 with Lockmaster/Military Lock optional Preps are not available.
STC 50 with Rim Panic may have (1) Optional Prep.
STC 50 with Mortise Lock may have any combination of (2) Optional Preps.
STC 51 with Rim Panic optional Preps are not available.
STC 51 with Mortise Lock may have (1) Optional Prep.
STC 51 with Cylindrical Lock may have any combination of (2) Optional Preps.

Other non-tested assemblies are available. Contact factory for details.

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

Experience a safer and more open world

RETURN TO TOP