DOOR DESIGN

STC 50-52 (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, GRAVITY GLIDE CAM-LIFT HINGES AND THRESHOLD AS REQUIRED FOR RATING.

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

MODEL AS52C UTILIZES "ADJ" PROFILE FRAME
(SEAL SET RCG FOR SINGLES, RCGP FOR PAIRS)

Please reference 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.
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.
TECH-DATA

Sound-Tech Xpress Door Systems

WOOD STUD ANCHOR 400

STUD+Plywood (as occurs)

5/8" Gap Near side or opp. Door side
5/8" Gap Far side or Door side

3/16" Hole in Studd
For #8 Screw or Bd Nail @ 24" O.C. max at Straps
(with floor anchor)

HINGE PREPARATION
(HINGE PREP. IS HANDED)

7 GAGE REINFORCEMENT

BL ASTRAGAL (Both leaf active)

Acoustical Doors

PEMKO Meeting Stile

#303SA Furnished

IGU 20 DOOR VISION

Sound Reduction Door

1 1/2" Insulated Glass Unit

1/4" Lam x 3/4" air space x 1/2" Annealed

Set in Silicone Channel (Factory Installed)

MASONRY WIRE ANCHOR 100

MASONRY "T" ANCHOR 101

MASONRY STRAP ANCHOR 102

ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH AND PROFILE

DOOR CONSTRUCTION
(TOP AND BOTTOM)

THRUSHOLD

LOCK PREPARATIONS

CYLINDRICAL
ANSI A115.2
BACKSET
3-3/4" REQUIRED

CYLINDRICAL & MORTISE DEADLOCK
(optional)

Experience a safer and more open world

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

1) All exposed surfaces of door and frame to receive one coat of rust inhibitive prime paint complying with ASTM A250.10

2) An aluminum threshold is included. Threshold must protrude 1 1/2 inches past the face of the frame on the pull side of the door to allow the EPDM rubber section of the door bottom to seat properly during normal operation of the Gravity-Glide cam-lift hinges.

3) Door bottom requires a flush level sealing surface. The threshold must be level and may require shimming to compensate for an uneven floor. This will prevent any sound leaks at this location. Threshold to be grouted solid.

4) Assembly is equipped with metal sound door, frame, seals, door bottom, threshold, Gravity Glide cam - lift hinges and crated for shipment.

5) Door Thickness is 1 3/4". Door weight is 11.9 pounds per square foot. Be aware that the frame must be securely tied to the framing from the sub floor to the structure above. Doubled wood studs or 16 Ga. steel studs are strongly recommended to support the weight of the assembly.

6) Doors are to be formed of no less than 16 Gauge steel face sheets continuously welded at the vertical edges and finished smooth.

7) Frames are to be formed of no less than 14 Gauge sheet steel with corners mitered, continuously welded and ground smooth.

8) Doors and frame are commercial quality zinc coated steel conforming to ASTM A653 & ASTM A924. Acoustic core and internal construction is manufacturer's proprietary standards as tested in accordance with ASTM E90, E413, E1332, & E2235 to furnish the STC rating specified.

9) Frames must be fully grouted.

10) Please be aware industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, etc. may result in a difference of 3db-5db sound loss in a field test vs. lab results.


Sound-Tech Xpress Door System Options

**DOORS TESTED = 3'0"x7'0", 16 gauge, flush, single**

**FRAMES TESTED = 3'0"x7'0", 14 gauge, welded, grouted**

Tested assembly includes the following-

- Sound tight door and frame assemblies, perimeter seals, retainer, cam lift hinges, door bottom, threshold and acoustical astragal (at pairs).

**Additional Notes:**

1) Pairs available - Potential sound loss = 5 STC points

2) Visions available - Potential sound loss = 2 STC points for narrow visions. Up to 300 square inches. Larger visions may result in additional sound loss.

3) Increased opening sizes available. Potential sound loss may or may not occur as size increases.

4) Assembly was fitted with cylindrical lock. Preparations for alternate hardware is allowed, however, sound loss may or may not occur.

5) Sound assemblies are tested as complete assemblies. Sound degradation may occur with the use of an existing door or frame.

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

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