1-3/4” Whisper Core Door Systems

STC32 THRU STC46 (SINGLES), AND STC32 THRU STC45 (PAIRS)

TESTED AND IN ACCORDANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
COMPLETE WITH PERIMETER SOUND SEALS, BOTTOM SEALS, BOTTOM SEAL, ASTRAGALS, AND THRESHOLD
AS REQUIRED FOR RATING.

HONEYCOMB OR STEEL STIFFENED CORES
AS REQUIRED FOR RATING.
APPROPRIATE ACOUSTICAL 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.
Whisper Core Door Systems

STC32 THRU STC46 (SINGLES), AND STC32 THRU STC45 (PAIRS)

<table>
<thead>
<tr>
<th>ACTUAL LEAF WIDTH</th>
<th>ACTUAL LEAF WIDTH</th>
<th>ACTUAL LEAF WIDTH</th>
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</thead>
<tbody>
<tr>
<td>DOOR OPENING WIDTH</td>
<td>DOOR OPENING WIDTH</td>
<td>DOOR OPENING WIDTH</td>
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<tr>
<td>2-0 THRU 4-0</td>
<td>4-0 THRU 8-0</td>
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</tbody>
</table>

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 instructions covering: handling, sealants, installation, and adjustments.
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MASONRY "T" ANCHOR

(WITH FLOOR ANCHOR)

WIRE MASONRY ANCHOR

(WITH FLOOR ANCHOR)

WELDED METAL STUD ANCHOR

WELDED WOOD STUD ANCHOR

DOOR CONSTRUCTION TOP AND BOTTOM

SURFACE APPLIED BOTTOM SOUND SEAL (IF REQUIRED)

SEAL SETS VARY PER STC RATING

THRESHOLD

LOCK PREPARATIONS

CYLINDRICAL ANSI A115.2
BACKSET
2-3/4" (STD)*
3-3/4" (OPT)
MORTISE ANSI A115.1
CYLINDRICAL & MORTISE DEADLOCK (OPTIONAL)

*(1-9/16" ROSE MAX. IF USING ZERO SEAL SET)

LOCK EDGE IS BEVELED

1/8" IN 2"

HINGE PREPARATION

HINGE PREP IS HANDED

7 GAUGE REINFORCEMENT

OPTIONAL: OFFSET PIVOTS OR CAMLIFT

HINGE EDGE

RIM EXIT DEVICE ANSI A156.3
SURFACE VERTICAL ROD DEVICE ANSI A156.3
Whisper Core Door Systems

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PRODUCT SPECIFICATIONS:

1-3/4" Thick acoustical steel door system shall be as provided by FLEMING Door Products. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8, and physical performance testing of ANSI A250.4 as applicable.

The doors and frames are commercial quality cold-rolled steel conforming to ASTM A1008 or optional zinc coated steel conforming to 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. 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 popular acoustic wall system application. They are constructed of 16GA. Min. or 14GA Max. to provide the STC performance specified. Mutes are not allowed in these frames. The STC 40 units and above must have the frame grouted 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 A115.1 or ANSI A115.2 locks; lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2). Inactive leaves are prepped for flush bolts or surface bolts.

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.

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Lock Type</th>
<th>Undercut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Doors</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>46</td>
<td>Cyl, Mort.</td>
<td>3/8&quot;</td>
<td>1-1/2 hr</td>
<td>Pemko Seals:S88, S44, S773, S771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>42-45</td>
<td>Cyl, Mort,Rlm</td>
<td>3/8&quot;</td>
<td>1-1/2 hr</td>
<td>Pemko Seals:S88, S44, S773, S771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>39-41</td>
<td>Cyl, Mort</td>
<td>3/8&quot;</td>
<td>1-1/2 hr</td>
<td>Pemko Seals:319CN, 2005 threshold-STC41 Seals</td>
</tr>
<tr>
<td>33-38</td>
<td>Cyl, Mort</td>
<td>3/8&quot;</td>
<td>3 hr</td>
<td>Pemko Seals:297AS, 2005 threshold-STC38 Seals</td>
</tr>
<tr>
<td>32</td>
<td>Cyl, Mort</td>
<td>3/8&quot;</td>
<td>3 hr</td>
<td>Pemko Seals:319CN, 2005 threshold-STC32 Seals</td>
</tr>
<tr>
<td>Flush Pairs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>1-1/2 hr</td>
<td>Pemko Seals:S88, S44, S773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>42-44</td>
<td>Cyl*, Mort*</td>
<td>3/8&quot;</td>
<td>1-1/2 hr</td>
<td>Pemko Seals:S88, S44, S773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>32-41</td>
<td>Cyl, Mort &amp; Bolts**</td>
<td>1/4&quot;</td>
<td>1-1/2 hr</td>
<td>Zero Seals:139A, 8145S, 564A, 365A, STC41P Seals</td>
</tr>
</tbody>
</table>

*Requires A03 Astragal on Active only.  
**Surface or Flush Bolts