**1-3/4” Whisper Core Door Systems**

**FACTORY GLAZED SYSTEMS, STC 33 THRU STC 48 SINGLE, STC 33 THRU STC 44 PAIRS**

Tested and in compliance with ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235. Door systems are in compliance with HMMA 865-03 & SDI-128 specifications. Complete with perimeter sound seals, bottom seals and threshold as required for rating.

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 detailed instructions covering: handling, sealants, installation, and adjustments.
Whisper Core Door Systems
FACTORY GLAZED SYSTEMS, STC 33 THRU STC 48 SINGLE, STC 33 THRU STC 44 PAIRS

MASONRY “T” ANCHOR

WIRE MASONRY ANCHOR

EXISTING OPENING ANCHOR EWA
ANCHOR FITS VARIOUS DEPTHS FRAMES (SEE BELOW)

EXISTING OPENING ANCHOR P&S
ANCHOR FITS VARIOUS DEPTHS

DEPTHS OVER 8-3/4” REQUIRE TWO EWA/P&S ANCHORS PLACED ACROSS SOFFIT

SNAP-IN TYPE
4-1/2” THRU 6-3/4” DEPTH
6-7/8” THRU 8-3/4” DEPTH

DOOR CONSTRUCTION TOP AND BOTTOM

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

THRESHOLD

HINGE PREPARATION

HINGE PREP IS HANDED
7 GAUGE REINFORCEMENT

OPTIONAL: OFFSET PIVOTS OR CAMLIFT

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

RIM EXIT DEVICE ANSI A156.3
SURFACE VERTICAL ROD DEVICE ANSI A156.3

3/27/12
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PRODUCT SPECIFICATIONS:

1-3/4" Thick acoustical steel door system will be as provided by FLEMING Door Products. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8 as applicable. The standard door skin thickness is 18 gauge, with 16 gauge as an option.

The doors and frames are commercial quality galvanneal 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 frames.

Frames are single or double rabbet profile of continuously welded construction and are available for any masonry acoustic wall system applications. They are constructed of 16 gauge Min. or 14 gauge Max. to provide the STC performance specified. Silencers are not allowed in these frames. The frames must also be mortar 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 A115.1 cylindrical, ANSI A115.2 mortise locks, rim exit, or surface vertical rod exit device; lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2) or reinforced for ANSI A156.3 rim exit device strike.

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. Doors are available factory stained and sealed with the owners choice of FLEMING Door Products standard colors.

ACOUSTIC DOOR SYSTEM LABELS

LABELING AGENCIES:
• cULus
• WARNOCK HERSEY

TEST: cULus
• RATING:
  20 MIN. THRU 3 HRS.
  (MAX 100 SQ.IN FOR 3 HR RATING)
  (TEMP RISE NOT AVAILABLE)
• MAXIMUM SIZE:
  40 X 80 (SINGLE)
  80 X 80 (PAIR)
• DESIGNS: V, N, & G

ACTUAL STC RATING SHOWN HERE

STC
43
ASTM
E90
ASTM
E413
INSTALL PER MANUFACTURER’S INSTALLATION INSTRUCTIONS; USE APPROVED SEAL SET
Whisper Core Door Systems

FACTORY GLAZED SYSTEMS
(All Glass is Factory Installed)

Whisper Core Single Doors - Factory Glazed

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Max. Lite Visible Area</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>100 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>3 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>46</td>
<td>100 sq. in.</td>
<td>Cyl/Mort/Rim</td>
<td>3/8&quot;</td>
<td>3 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>45</td>
<td>288 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>44</td>
<td>288 sq. in.</td>
<td>Cyl/Mort</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>43</td>
<td>288 sq. in.</td>
<td>Cyl/Mort/Rim</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>41</td>
<td>720 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>40</td>
<td>720 sq. in.</td>
<td>Cyl/Mort</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>39</td>
<td>720 sq. in.</td>
<td>Cyl/Mort/Rim</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
</tr>
<tr>
<td>33</td>
<td>720 sq. in.</td>
<td>Cyl/Mort/Rim</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:88, 84, 773, 771, ACP112, 2005 threshold-Set 6</td>
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</tbody>
</table>

Whisper Core Pairs - Factory Glazed

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<thead>
<tr>
<th>STC Rating</th>
<th>Max. Lite Visible Area</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>100 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>N/A</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>43</td>
<td>100 sq. in.</td>
<td>Cyl/Mort</td>
<td>3/8&quot;</td>
<td>N/A</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>41</td>
<td>288 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>N/A</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>39</td>
<td>100 sq. in.</td>
<td>Cyl/Mort</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>38</td>
<td>720 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>N/A</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>36</td>
<td>288 sq. in.</td>
<td>Cylindrical</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
<tr>
<td>33</td>
<td>720 sq. in.</td>
<td>Surf. Vert. Rod</td>
<td>3/8&quot;</td>
<td>1 1/2 hr</td>
<td>Pemko Seals:86, 84, 773, 303AS, ACP112, 2005 threshold-Set 4</td>
</tr>
</tbody>
</table>

- All doors to be installed in standard welded frames backfilled with flange proof material (STC 40 and above).
- 1/2" FireLite Plus glass or Pyran Platinum only for fire rated doors.
- 3/4" non fire rated Laminated glass reduce by one STC point 288 sq. in. for non fire rated doors.
- One life per door 3/8" pocket.
- Available sizes: Singles: 2'0"x 6'0" - 4'0"x 8'0" Pairs: 4'0"x 6'0" - 6'0"x 6'0".