Non-loadbearing gypsum wall partition assemblies for elevator, mechanical and air return shafts, stairwells, and horizontal membranes
Overview

USG shaft wall systems are non-loadbearing gypsum wall partition assemblies constructed from outside the shaft at each floor. Shafts are enclosed early in construction, and the walls are finished later along with interior partitions. Installation is quick and easy, using components and application procedures familiar to drywall contractors. This system installs faster than other multilayer gypsum panel systems because it is installed from one side, leaving the shaft free of scaffolding. The assemblies are constructed of gypsum liner panels friction-fitted into C-H studs in a progressive manner, with gypsum panels, gypsum fiber panels or cement board applied to the face.
The assemblies listed below are a small sample of the UL Designs in which USG shaft wall systems can be used. For more details on fire-rated assemblies, see USG literature SA926, Shaft Wall Systems.

<table>
<thead>
<tr>
<th>1 Hour Fire-rated Construction</th>
<th>Non-loadbearing</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Test Number</td>
<td>STC</td>
</tr>
<tr>
<td>wt. 8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4&quot; SHEETROCK® brand FIRECODE® Core gypsum panels, joints finished</td>
<td>UL Des U415, System A or U469</td>
<td>30</td>
</tr>
<tr>
<td>2-1/2&quot; USG C-H studs 25 gauge, 24&quot; o.c.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1&quot; SHEETROCK® brand gypsum liner panels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>wt. 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4&quot; SHEETROCK® brand FIRECODE® Core gypsum panels, face layer joints finished</td>
<td>UL Des U415, System B or U438</td>
<td>38</td>
</tr>
<tr>
<td>2-1/2&quot; USG C-H studs 25 gauge, 24&quot; o.c.</td>
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<td></td>
</tr>
<tr>
<td>1&quot; SHEETROCK® brand gypsum liner panels</td>
<td></td>
<td></td>
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<tr>
<td>wt. 13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4&quot; SHEETROCK® brand FIRECODE® Core gypsum panels, face layer joints finished</td>
<td>UL Des U415, System G</td>
<td>45</td>
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<tr>
<td>2-1/2&quot; USG C-H studs 25 gauge, 24&quot; o.c.</td>
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<td></td>
</tr>
<tr>
<td>1&quot; SHEETROCK® brand gypsum liner panels</td>
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<td></td>
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<tr>
<td>4 Hour Fire-rated Construction</td>
<td></td>
<td></td>
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<tr>
<td>wt. 18</td>
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<td></td>
</tr>
<tr>
<td>3/4&quot; SHEETROCK® ULTRACODE® Core gypsum panels, on furring channel 24&quot; o.c., over 2 layers 3/4&quot; SHEETROCK® ULTRACODE® Core gypsum panels, face layer joints finished</td>
<td>UL Des U415, System I</td>
<td>51</td>
</tr>
<tr>
<td>2-1/2&quot; USG C-H studs 25 gauge, 24&quot; o.c.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1&quot; SHEETROCK® brand gypsum liner panels – base layer over furring channel applied vertically</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Details

Head Section

- USG steel J-runner sealant as required for sound
- USG steel C-H stud
- SHEETROCK gypsum panels
- 1" SHEETROCK or SHEETROCK MOLD TOUGH gypsum liner panel

Outside Corner

- USG corner reinforcement
- SHEETROCK gypsum panels
- 1" SHEETROCK or SHEETROCK MOLD TOUGH gypsum liner panel

Base Section

- 1" SHEETROCK or SHEETROCK MOLD TOUGH gypsum liner panel
- SHEETROCK gypsum panels
- gypsum panel cant screw attached to vertical studs (for projections over 2"
- USG steel C-H stud
- USG steel J-runner sealant as required for sound
- USG steel J-runner

Inside Corner

- SHEETROCK gypsum panels
- USG corner reinforcement
- USG steel C-H stud
- USG steel J-runner
- 1" SHEETROCK or SHEETROCK MOLD TOUGH gypsum liner panel

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888 874.2348

Customer Service
800 950.3839

Product Information
See usg.com for the most up-to-date product information.

Metric Specifications
USG Corporation, through its operating subsidiaries, will provide metric conversions on its products and systems to help specifiers match metric design sizes. In addition, some products are available in metric dimensions from selected manufacturing plants. Refer to SA100 Fire-Resistant Assemblies for additional information and a Table of Metric Equivalents.

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Safety First!
Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.