USG STRUCTURAL PANEL
CONCRETE SUBFLOOR
ATTAINABLE SOUND RATINGS

UL® H501® – 2-HOUR
FIRE RATED DESIGN

SAMPLE LAYOUTS

FLOOR FINISH

<table>
<thead>
<tr>
<th>2-Hour Rated System</th>
<th>STC</th>
<th>IIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpet &amp; Pad</td>
<td>56</td>
<td>75</td>
</tr>
<tr>
<td>Sheet Vinyl</td>
<td>56</td>
<td>54</td>
</tr>
<tr>
<td>Padded Sheet Vinyl</td>
<td>56</td>
<td>55</td>
</tr>
<tr>
<td>Vinyl Plank (LVT)</td>
<td>57</td>
<td>54</td>
</tr>
<tr>
<td>Laminate Wood Floor</td>
<td>57</td>
<td>55</td>
</tr>
<tr>
<td>1/2” Wood Floor</td>
<td>57</td>
<td>52</td>
</tr>
<tr>
<td>Ceramic Tiles (12”x12”)</td>
<td>59</td>
<td>55</td>
</tr>
</tbody>
</table>

Notes:
1. The attained sound values are with Sound Isolation Mats, Double layer of Sheetrock® on the ceiling, or both
2. Ceiling constructed using 5/8” thick USG Sheetrock® Brand EcoSmart Panels Firecode® X (UL1X) or Type C USG Sheetrock® Brand Panels
1-Hour Rated System | STC | IIC
--- | --- | ---
Carpet & Pad | 52 | 62
Sheet Vinyl | 55 | 51
Padded Sheet Vinyl | 55 | 56
Vinyl Plank (LVT) | 55 | 51
Laminate (wood) | 54 | 50
1/2" Wood Floor | 55 | 53
Ceramic Tiles (12"x12") | 57 | 52

Notes:
1. H501® for 1-hour does not include insulation in the joist cavity.
2. The attained sound values are with Sound Isolation Mats, Double layer of Sheetrock on the ceiling, or both.
3. Ceiling constructed using 5/8" thick USG Sheetrock® Brand EcoSmart Panels Firecode® X (ULIX) or Type C USG Sheetrock® Brand Panels.

Note: The acoustical ratings are achieved via a combination of either sound mats, underlayments and/or a single or double layer of USG Sheetrock® Brand Gypsum panels as the assembly ceiling. Contact your local USG Sales Representative for the appropriate description for each system.
Review our Contact Map (SCP70) to identify the USG Structural Panel business manager in your area or email queries to usgstructural@usg.com.