Speech Privacy Calculator

Instruction:
1. Turn ON
2. Using measure conversion table specify parameters:
   - Ceiling Height,
   - Ceiling Tile Quality,
   - Partition Height,
3. Mouse / Left button – changing speaker position
4. Mouse / Right button – directing speaker voice emission

Legend:
1. Ceiling Height in /Feet/
2. Ceiling Tile Quality /Average NCR/ – Noise Reduction Coefficient, the 0-1 scale describing the absorptive qualities of a ceiling tile.
3. Partition Height in /Inches/
4. Color reading in /%/ defines effectiveness of sound masking on surrounding cubicles

Measure conversion table

<table>
<thead>
<tr>
<th>Ceiling Height /feet/</th>
<th>Partition Height /meters/</th>
<th>/inches/</th>
<th>/cm/</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,0</td>
<td>2,44</td>
<td>48</td>
<td>122</td>
</tr>
<tr>
<td>8,5</td>
<td>2,59</td>
<td>54</td>
<td>137</td>
</tr>
<tr>
<td>9,0</td>
<td>2,74</td>
<td>57</td>
<td>145</td>
</tr>
<tr>
<td>10,0</td>
<td>3,05</td>
<td>63</td>
<td>160</td>
</tr>
<tr>
<td>11,0</td>
<td>3,35</td>
<td>68</td>
<td>173</td>
</tr>
<tr>
<td>12,0</td>
<td>3,66</td>
<td>80</td>
<td>203</td>
</tr>
<tr>
<td>13,0</td>
<td>3,96</td>
<td>85</td>
<td>216</td>
</tr>
</tbody>
</table>

Example 1:
NCR = 0,5 Means that 50% of the sound that hits a tile is absorbed or reduced, and 50% is reflected back into the space. Representing a fairly low end quality tile, and therefore lower in cost. This is a typical, frequently used mineral fiber ceiling.

Example 2:
NCR = 0,9 Means that 90% of the sound is absorbed or reduced by the tile and only 10% is reflected back into the space. Representing a more expensive, fairly high end tile, typically fiberglass ceiling.

Practical advice for a Call Centre there lots of conversations going on.
- More expensive ceiling tiles with higher value of NCR > 0,8, OR
- Lower cost ceiling tiles with lower value of NCR > 0.5 plus OASIS Qt Sound Masking System

Speech Privacy Calculator enables to show the impact of different quality of ceiling tiles and helps to choose economically reasonable decision.