Acoustical Performance
Pecora Sealants AC-20FTR and AIS-919 / Expansion Joints in Floor or Wall Construction
ASTM E-90-99

Summary

1) Testing was performed on a pre-rated wall and floor system with STC values in excess of 45
2) A joint was then opened in this system with a total surface area of 0.69% relative to the total wall or floor surface. The resulting STC value was 18 with unfilled opening.
3) A rating was determined with Pecora AC-20FTR and also with Pecora AIS-919 installed in the open joint and was found to produce an **STC rating of 45**.

Conclusion

An opening in a floor or wall assembly with an established STC value of at least 45 when sealed with Pecora AC-20FTR or Pecora AIS as outlined above will maintain the original STC value for the rated wall or floor system.

Results:

<table>
<thead>
<tr>
<th>Sealant</th>
<th>STC Rating&lt;sup&gt;1&lt;/sup&gt;</th>
<th>OITC Rating&lt;sup&gt;2&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sound Transmission Class</td>
<td>Outdoor-Indoor Transmission Class</td>
</tr>
<tr>
<td>AC-20FTR</td>
<td>48</td>
<td>33</td>
</tr>
<tr>
<td>AIS-919</td>
<td>48</td>
<td>32</td>
</tr>
</tbody>
</table>

<sup>1</sup> Calculated in accordance with ASTM E 413
<sup>2</sup> Calculated in accordance with ASTM E 1332

Note:

- All installations of Pecora acoustical sealants shall be applied in accordance with ASTM C-919 for proper acoustical performance.
- When sealing partition wall voids and through openings, Pecora AC-20 FTR and AIS-919 will ensure retention of the original STC rating designed into the wall unit.