

## 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:

	<b>STC Rating<sup>1</sup> Sound Transmission Class</b>	<b>OITC Rating<sup>2</sup> Outdoor-Indoor Transmission Class</b>
<b>AC-20FTR</b>	48	33
<b>AIS-919</b>	48	32

<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.