

**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:

	STC Rating¹ Sound Transmission Class	OITC Rating² Outdoor-Indoor Transmission Class
AC-20FTR	48	33
AIS-919	48	32

¹ Calculated in accordance with ASTM E 413

² 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. For a copy of ASTM C-919 (Use of Sealants in Acoustical Applications) see Pecora Technical Bulletin #100.
- 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.