

August 5, 2005

Mr. Keith Brebner
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Subject: Self Seal System STC 36 installed in 6 Inch Concrete Slab STC 54

Dear Mr. Brebner:

The acoustical performance of STC 36 from an 8 inch wide by 14 foot long strip of ¼ inch thick Self Seal® SL-100 on 6 inch 4.5 PCF Self Seal® MW 300 Mineral Wool is reflected in test report RAL™-TL05-148. Likewise, the average value for the RAL 6 inch thick reference concrete slab is STC 54.

A review of the effect of the sealant in a practical installation is as follows using the RAL reference 6 inch thick concrete slab as a reference. Given that a 20 ft. by 14 ft. slab with an 8 inch wide joint across the width of the floor is filled with Self Seal STC 36 fire stop system then based on the sizes of 270.7 sq ft for the concrete and 9.3 sq ft. for the sealant, the results for the composite systems would be STC 49.

In real life as the concrete becomes infinitely larger, the STC of the composite will approach the STC of the concrete. Likewise, as the sealed area becomes infinitely smaller, the STC of the composite will approach the STC of the concrete.

Sincerely,



David L. Moyer
Laboratory Manager

DLM/ks