

Sound Transmission Class Testing (ASTM E90)

INTRODUCTION:

This report presents the results of acoustical testing of a CFS-COS Firestop Composite Sheet with CP 619T Firestop Putty. This testing was requested by Mr. Chad Stroike and was conducted on April 5, 2016

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The results stated in this report represent only the specific construction and acoustical conditions present at the time of the test. Measurements performed in accordance with this standard on nominally identical constructions and acoustical conditions may produce different results.

TEST RESULTS SUMMARY:

<i>ASTM E90 - Sound Transmission Class (STC)</i>				Test Results		
Test #	Sample Identification	Weight (lbs)*	Weight (psf)*	STC	Def	OITC
1	Concrete Baseline	1200.0	18.2	52	26	41
2	Concrete w/12" x12" Penetration	1100.0	16.7	11	29	12
3	Source Side Covered w/CFS-COS Firestop Composite Sheet	1100.0	16.7	36	25	33
4	Both Sides Covered w/CFS-COS Firestop Composite Sheet	1100.0	16.7	52	28	39
5	Receieve Side Covered w/CFS-COS Firestop Composite Sheet	1100.0	16.7	35	25	32

*Weights are estimated.

Test Order

- 1: Baseline for a solid 48x 47 7/8" Concrete Slab was determined
- 2: Baseline for Concrete Slab with a 12" x 12" penetration
- 3: CFS-COS Fire Stop Composite Sheet applied to Source Side of Concrete Slab
- 4: CFS-COS Fires Stop Composite Sheet applied to both Source and Receive sides of Concrete Slab.

Tabular and graphical presentations of the data are presented under "TEST RESULTS" below.

SPECIMEN DESCRIPTION: (Also see "Test Results")

The material was identified as 16" x 16" CFS-COS Firestop Composite Sheet with CP 619T Fire Stop Putty applied to the perimeter. The Sheets were secured to the concrete using concrete anchors.