

Sound Transmission Class Testing (ASTM E90)

INTRODUCTION:

This report presents the results of acoustical testing of a CFS-EOS QS with Aluminum Mullion and Architectural Joint Cover. This testing was requested by Mr. Chad Stroike of Hilti and was conducted on February 20-21, 2019. This testing was to show the comparison of results of a composite wall construction baseline and the ability of the CFS-EOS QS with Aluminum Mullion and Aluminum Mullion with a cover to maintain the STC Rating.

Testing summary, description, and photos are included in the report.

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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:

Test #	Condition	Test Results		
		STC	Def	OITC
10	Baseline Wall- Solid Concrete 48" x 48" x 6" in depth	59	29	51
11	Solid Concrete 48" x 48" x 6" in depth - 3" x 30" Open Penetration	19	30	20
12	Solid Concrete 48" x 48" x 6" in depth - 3" x 30" Open Penetration with CFS-EOS QS with Aluminum Mullion	50	28	46
13	Solid Concrete 48" x 48" x 6" in depth - 3" x 30" Open Penetration CFS-EOS QS with Aluminum Mullion and Cover	52	32	45

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