

Sound Transmission Class Testing (ASTM E90)

INTRODUCTION:

This report presents the results of acoustical testing of Hilti’s CFS-CC Firestop Plug. This testing was requested by Mr. Chad D. Stroike, CFPS and was completed on March 18, 2013.

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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:

	<u>STC</u>	<u>def</u>	<u>OITC</u>
Test 1: Control Wall	59	24	45
Test 2: Control Wall with 4” Pipe in 4.5” penetration	26	28	27
Test #3: Control Wall with 4” Pipe in 4.5” penetration - 2” Cable Bundle in 4” Pipe	28	28	29
Test #6: Control Wall with 4” Pipe in 4.5” penetration - 2” Cable Bundle in 4” Pipe - CFS-CC, Firestop Cable Collars installed on both sides	56	27	44
Test #7: Control Wall with 4” Pipe in 4.5” penetration - CFS-CC, Firestop Cable Collars installed on both sides	59	22	44

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