

Sound Transmission Class Testing (ASTM E90)

INTRODUCTION:

This report presents the results of acoustical testing of Hilti’s CFS-DID Firestop Device. This testing was requested by Mr. Chad D. Stroike, CFPS and was completed on March 4, 2014.

This report must not be reproduced except in full with the approval of Element Materials Technology. The test results contained in this report pertain only to the specific assemblies tested and not necessarily to all similar constructions.

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 / Baseline	55	30	42
Test 12: Control Wall with CFS-DID 6” Device and 6” PVC Pipe	57	30	44
Test 13: Control Wall with CFS-DID 6” Device and 6” Steel Pipe	57	30	46
Test 14: Control Wall with CFS-DID 2” Device and 2” PVC Pipe	56	28	44
Test 15: Control Wall with CFS-DID 2” Device and 2” Steel Pipe	55	24	44

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