

## **Sound Transmission Class Testing (ASTM E90)**

### **INTRODUCTION:**

This report presents the results of sound transmission testing conducted on CFS-BL Firestop Blocks. This material was manufactured and submitted by Hilti Construction. This work was requested by Mr. Jonathan Matthews of Hilti Construction with testing completed on December 16, 2011.

The Sound Transmission Class (STC) and the Outdoor-Indoor Transmission Class (OITC) values were generated under ASTM test procedures which outline methodology to determine Transmission Loss (TL) values between 80 Hz - 4000 Hz.

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### **TEST RESULTS SUMMARY:**

<b><u>Test Description.</u></b>	<b><u>STC</u></b>	<b><u>def</u></b>	<b><u>OITC</u></b>
Control Wall	<b>55</b>	<b>27</b>	<b>39</b>
Control Wall with 11-1/2" x 23-1/2" open penetration	<b>13</b>	<b>28</b>	<b>14</b>
Control Wall with penetration Sealed with Hilti CFS-BL Firestop Blocks	<b>52</b>	<b>30</b>	<b>38</b>

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