

**AIRBORNE SOUND TRANSMISSION LOSS (STC) ASTM:E90-99**

**INTRODUCTION:**

This report presents the results of sound transmission loss tests conducted on CP 620 Fire Stop Foam manufactured by Hilti Construction Chemicals, Inc. These tests were requested by Kris Kuehl of Hilti Construction Chemicals, Inc. on May 2, 2001 with the testing conducted on May 8, 2001.

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**TEST RESULTS SUMMARY:**

Test No. 3018 01-30621.1: The STC of the control wall when tested with no penetrations was 50.

Test No. 3018 01-30621.2: The STC of the control wall when tested with an open slot was 22.

Test No. 3018 01-30621.3: The STC of the control wall when tested with the open slot filled with thermo fiber was 42.

Test No. 3018 01-30621.4: The STC of the control wall when tested with the open slot filled with both thermo fiber and CP 620 fire stop foam was 50.

A tabular and graphical presentation of the data is presented under "TEST RESULTS" below.

**SPECIMEN DESCRIPTION:** (Also see Specimen Identification-Page 4)

Manufacturer : Hilti Construction Chemicals, Inc.

Sample Type : CP 620 Fire Stop Foam

Nominal Dimensions (W x H x D) : 108" x 95.5" x 5.63"

Weight : 490 lbs. (9.81 PSF)

Specimen Description : - 3-5/8" metal stud wall with 3" thermo fiber in stud space  
- 5/8" Type X gypsum on either side  
- resilient channel on termination side