

**AIRBORNE SOUND TRANSMISSION LOSS (STC) ASTM:E 90-97**

**INTRODUCTION:**

This report presents the results of sound transmission loss tests conducted on CP 618 Putty Stick Sealant manufactured by Hilti Construction Chemicals, Inc. and used in a control wall constructed by Stork / Twin City Testing Corporation. These tests were requested by Mr. Chris Kusel of Hilti Construction Chemicals, Inc. on July 31, 1999 with the testing conducted from Sept. 16-17, 1999.

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**TEST RESULTS SUMMARY:**

Test No. 99-1943.1B: The STC of the control wall when tested with no penetrations was 50.

Test No. 99-1943.2B: The STC of the control wall when tested with wall penetrations consisting of two sprinkler heads, 4 electrical boxes (2 per side), and a baseboard heating pipe was 36.

Test No. 99-1943.3B: The STC of the control wall when tested with the same penetrations sealed by CP 618 putty stick sealant was 49.

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 618 Putty Stick Sealant

Nominal Dimensions (W x H x D) : 9'0" x 8'0" x 5-3/8"

Weight : 490 lbs. (9.81 PSF)

Specimen Description : - 5/8" gypsum board on both sides  
- 3-5/8" metal studs @ 24" on center  
- RC-1 channel on one side  
- 3" thick Thermofiber blanket in stud spaces