



Title: Sound Transmission Test Results

Product: 2" Sound Silencer

Application: Wall and Ceiling

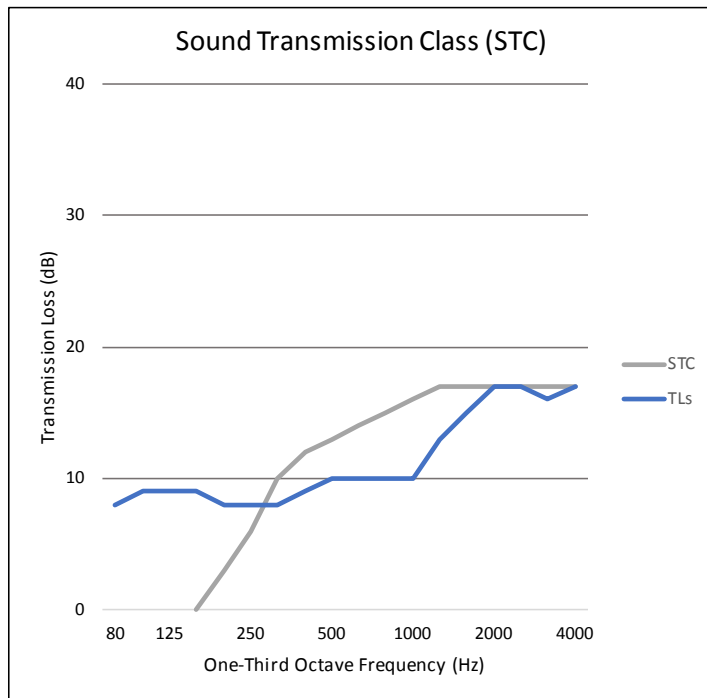
Testing Standard: ASTM E90

Test Date: 02/11/1999

Why this test: This test evaluates a products efficiency of reducing transmission of sound at multiple frequencies. The test simulates the product's acoustical performance with a direct installation on a wall or ceiling.

Test Result Summary: STC - 13; OITC - 11

STC	OITC
13	11
Frequency (Hz)	Transmission Loss (dB)
80	8
100	9
125	9
160	9
200	8
250	8
315	8
400	9
500	10
630	10
800	10
1000	10
1250	13
1600	15
2000	17
2500	17
3150	16
4000	17



Test ID: 01-34115.01-4

ASI TEST RESULT DISCLAIMER

ASI makes every effort to ensure the accuracy and reliability of the information provided. Laboratory testing is conducted by independent testing organizations. ASI does not guarantee that field tests or independent tests will not vary.


© 2018 ASI

ATI No.	01-34115.01-4	Date	02/11/99
Rendered by Manufacturer and Released to: Acoustical Surfaces, Inc.			
Specimen	2" ARPRO PEPP	123 Columbia Court N.	
Specimen Area	24.00 Sq Ft	Chaska, MN 55318	
Filler Area	116.00 Sq Ft		
Operator	Eric J. Miller		

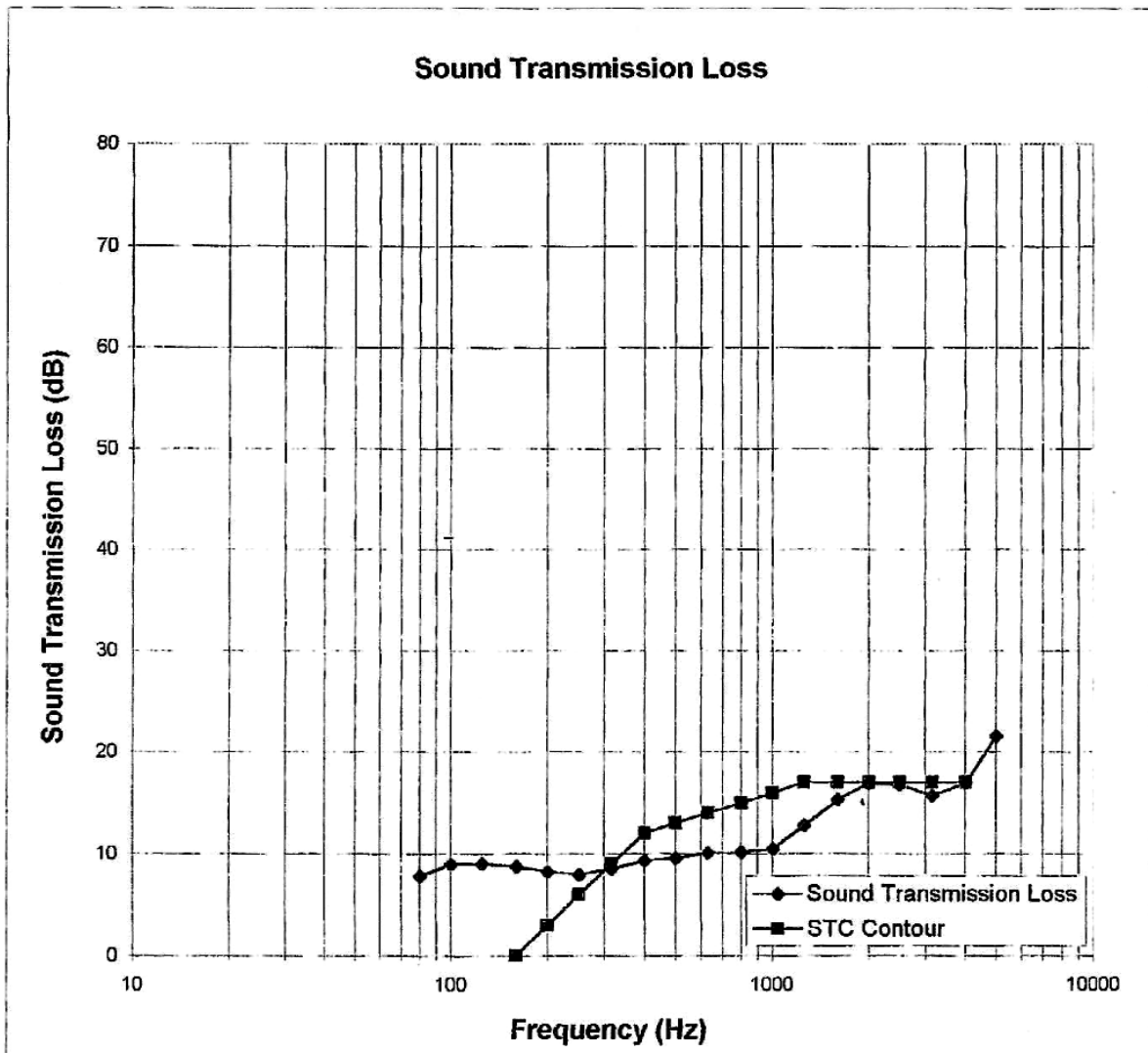
	Bkgrd	Absorp	Source	Receive	Filler	Specimen
Temp F	69.4	69.3	70.1	69.4	85.7	69.6
RH %	64.1	64.4	63.6	64.1	68.2	64.1

Freq (Hz)	Bkgrd SPL (dB)	Absorp (Sabines /Sq Ft)	Source SPL (dB)	Receive SPL (dB)	Filler TL (dB)	Specimen TL (dB)	95% Conf Limit	No. of Deficiencies	Trans Coef Diff
80	44.4	63.7	80.0	68.0	32.9	8	2.23	0	18.3
100	44.4	68.8	83.5	70.0	36.5	9	2.54	0	20.7
125	42.8	55.7	88.0	75.4	44.2	9	2.25	0	28.4
160	42.9	53.6	92.1	79.8	44.8	9	0.85	0	29.2
200	40.3	56.8	96.8	84.9	48.4	8	0.65	0	33.4
250	36.6	56.2	99.1	87.5	50.4	8	0.73	0	35.7
315	34.2	53.7	97.7	85.8	53.7	8	0.47	1	38.4
400	32.0	56.4	96.8	83.8	57.6	9	0.37	3	41.4
500	29.4	57.9	98.0	84.6	58.7	10	0.41	3	42.4
630	25.3	57.9	101.1	87.1	64.3	10	0.25	4	47.4
800	24.7	63.6	102.6	88.2	66.2	10	0.24	5	49.2
1000	24.2	69.2	102.1	87.1	70.6	10	0.16	6	53.3
1250	20.0	76.8	103.6	85.7	77.4	13	0.29	4	57.8
1600	18.6	80.0	109.7	89.1	80.6	15	0.39	2	58.5
2000	12.3	84.1	107.4	85.0	81.4	17	0.25	0	57.6
2500	7.8	95.8	103.6	80.8	78.8	17	0.22	0	55.2
3150	7.2	113.1	104.5	82.0	80.7	16	0.27	1	58.2
4000	6.7	137.3	104.6	80.1	83.2	17	0.13	0	59.4
5000	6.8	173.7	102.0	71.8	82.3	22	0.32	0	53.9

STC Rating 13 (Sound Transmission Class)
 Deficiencies 29 (Number of deficiencies versus contour curve)
 OITC Rating 11 (Outdoor/Indoor Transmission Class)

	Accredited by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program for the specific test methods under lab code 200361. The laboratory's accreditation or test report in no way constitutes or implies product certification, approval, or endorsement by NIST. This test report applies only to the specimen that was tested.
---	---

ATI No. 01-34115.01-4 Date 02/11/99
 Rendered by Manufacturer and Released to: Acoustical Surfaces, Inc.
 Specimen 2" ARPRO PEPP 123 Columbia Court N.
 Specimen Area 24.00 Sq Ft Chaska, MN 55318
 Filler Area 116.00 Sq Ft
 Operator Eric J. Miller



Accredited by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program for the specific test methods under lab code 200361. The laboratory's accreditation or test report in no way constitutes or implies product certification, approval, or endorsement by NIST. This test report applies only to the specimen that was tested.