



An entirely new kind of acoustic panel

ASTM E90–Sound Absorption

ATI NO.:	01-34115.01-6	SPECIMEN:	1" Cel™
DATE:	02/11/99	SPECIMEN AREA:	24.00 Sq Ft
RENDERED BY MANUFACTURER AND RELEASED TO:	Technature Inc., 376 Queen Street East Toronto, ON M5A 1T1	FILLER AREA:	116.00 Sq Ft
		OPERATOR:	Eric J. Miller

	Background	Absorption	Source	Receive	Filler	Specimen
Temp F	70.0	69.7	71.9	69.5	85.7	70.3
RH %	63.3	63.6	64.8	63.8	68.2	63.9

Frequency (Hz)	Background SPL (dB)	Absorption (Sabines/ Sq Ft)	Source SPL (dB)	Receive SPL (dB)	Filler TL (dB)	Specimen TL (dB)	95% Conf. Limit	No. of Deficiencies	Trans. Coef. Difference
80	43.0	63.4	80.0	71.3	32.9	4	2.60	0	21.6
100	44.2	61.2	84.2	71.8	36.5	8	2.41	0	21.4
125	41.2	60.9	87.4	77.6	44.2	6	2.07	0	31.6
160	39.9	58.8	91.9	82.1	44.8	6	0.91	0	32.0
200	39.6	62.9	96.8	87.4	48.4	5	0.68	0	36.4
250	37.2	55.8	98.9	90.0	50.4	5	0.65	0	38.3
315	34.7	55.9	97.5	88.3	53.7	6	0.62	0	41.3
400	33.0	58.3	96.9	86.4	57.6	7	0.45	1	44.2
500	30.0	57.7	97.7	87.1	58.7	7	0.36	2	45.1
630	24.6	56.2	101.0	89.7	64.3	8	0.37	2	49.9
800	24.5	60.7	102.8	90.8	66.2	8	0.32	3	51.5
1000	22.8	64.7	102.6	90.3	70.6	8	0.22	4	55.7
1250	20.8	70.8	103.7	90.0	77.4	9	0.36	4	61.7
1600	20.5	77.0	109.8	95.6	80.6	9	0.40	4	64.7
2000	13.9	82.4	107.2	92.6	81.4	9	0.21	4	65.2
2500	7.9	97.6	103.4	86.9	78.8	10	0.21	3	61.6
3150	7.1	115.2	104.4	84.4	80.7	13	0.12	0	60.6
4000	6.9	133.8	104.8	81.5	83.2	16	0.38	0	60.6
5000	6.9	174.8	102.2	78.3	82.3	15	0.29	0	60.1

STC Rating (Sound Transmission Class) **9**
 Deficiencies (Number of deficiencies versus contour curve) **27**
 OITC Rating (Outdoor/Indoor Transmission Class) **8**



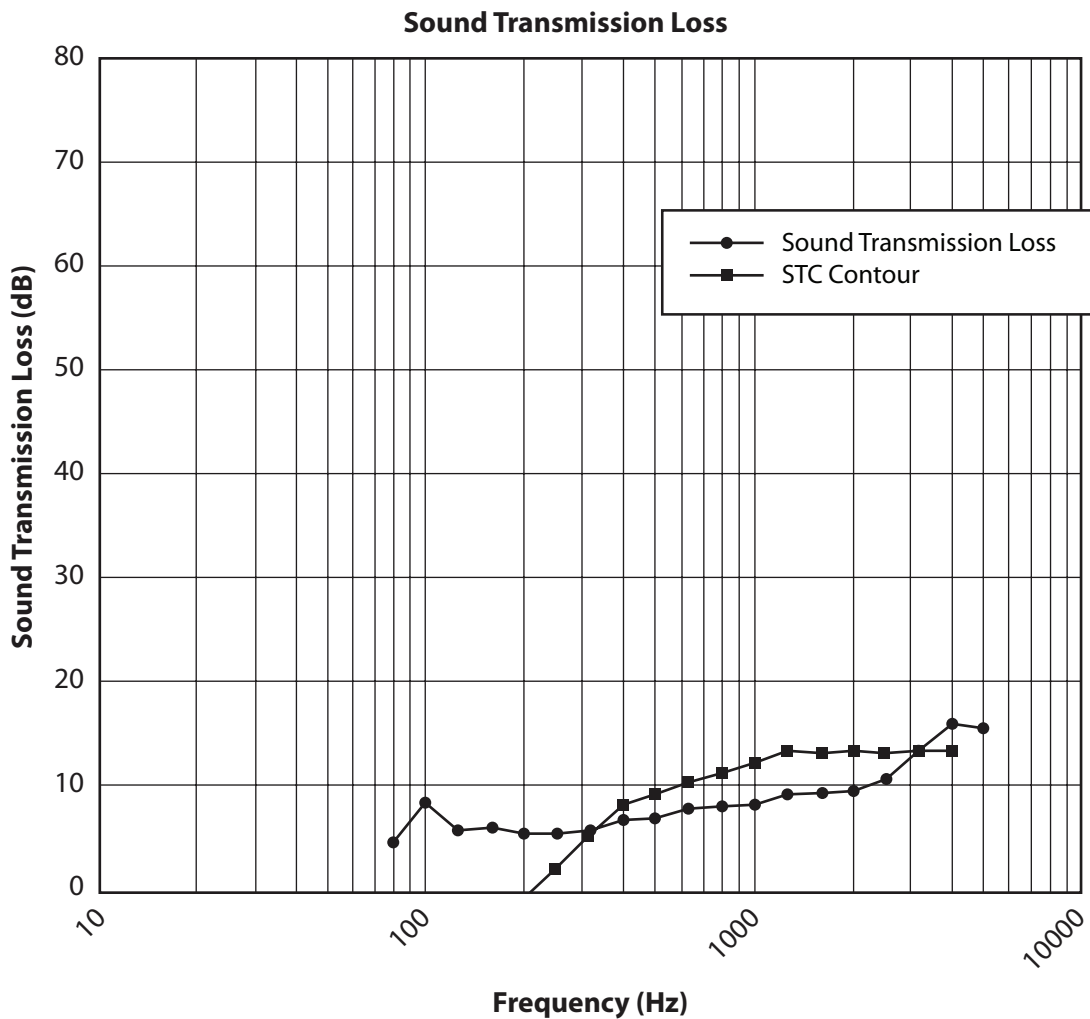
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