



An entirely new kind of acoustic panel

ASTM E90–Sound Absorption

ATI NO.:	01-34115.01-4	SPECIMEN:	2" 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	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

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



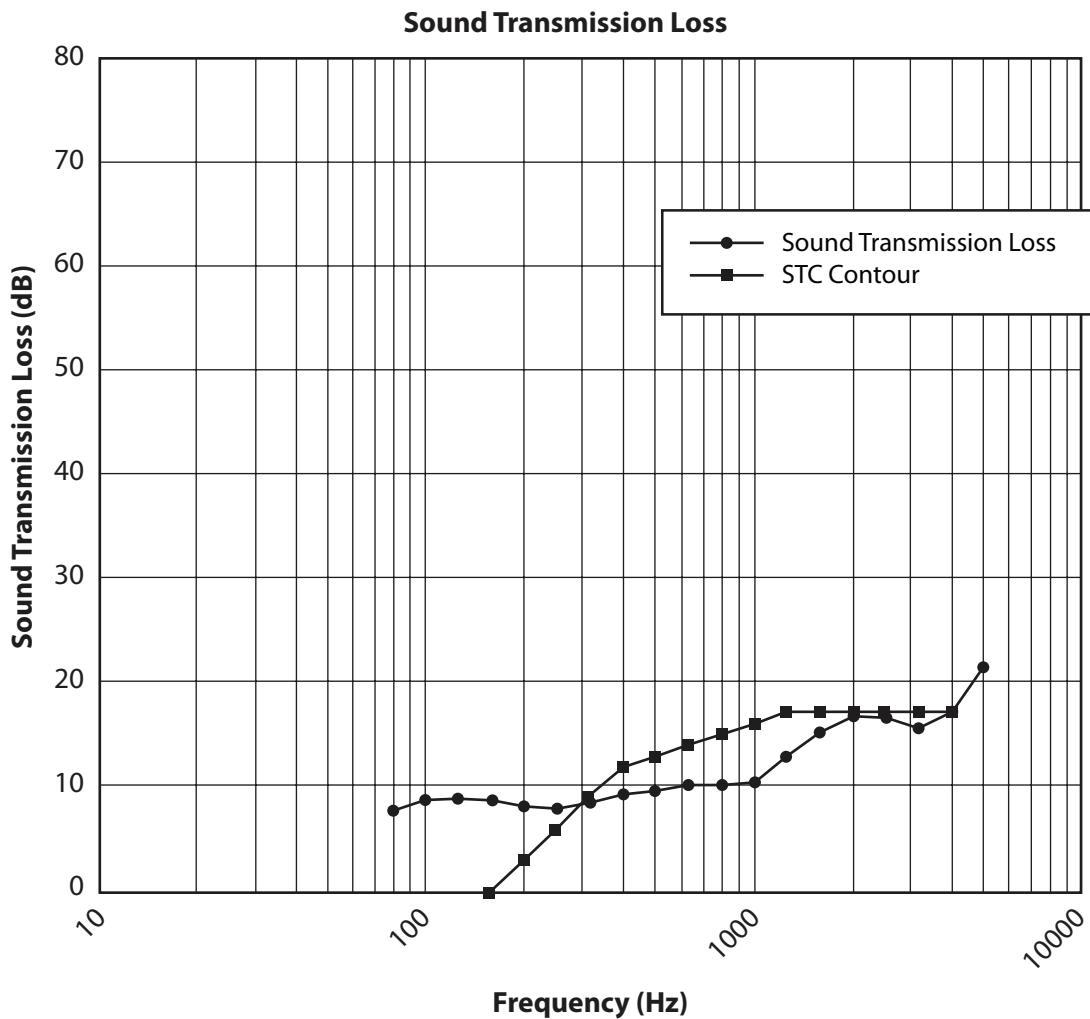
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