

# Barrier

## Class A Fire-Rated, Limp Mass Barrier Material

A commonly used noise control material, limp mass barrier is available in a variety of configurations – 1/2-, 1-, and 2-pound per square foot; reinforced, non-reinforced; foil-covered, clear, etc. Building code stipulates requirements for flame spread and smoke developed indices depending on where a limp mass barrier may be installed. Kinetics Noise Control tested several configurations of limp mass barrier per ASTM E84-15b and offers designers three (3) CLASS A product solutions.

### KNM-100B | STC<sup>1</sup> 26

One-pound per square foot, non-reinforced, limp mass barrier. Available in 54" x 60' rolls.

**Fire Testing per ASTM E84-15b  
Class A**

**Flame Spread 15**

**Smoke Developed 300**

### KNM-100AL | STC<sup>1</sup> 26

Reinforced aluminum foil facing is added to the 100B Core enabling easier handling and higher self-supporting weight capacity. Available in 54" x 60' rolls.

**Fire Testing per ASTM E84-15b  
Class A**

**Flame Spread 25**

**Smoke Developed 250**

### KNM-200AL | STC<sup>1</sup> 31

A two-pound per square foot barrier with reinforced aluminum foil face, available in 54" x 30' rolls.

**Fire Testing per ASTM E84-15b  
Class A**

**Flame Spread 25**

**Smoke Developed 450**

### TRANSMISSION LOSS DATA

Freq.	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500
KNM-100B <sup>2</sup>	10	13	10	5	10	19	16	15	15	16	18	20	21	23	24	26	28	30	32	33	34	34	38	40	41	42	41
KNM-100AL <sup>2</sup>	10	13	11	5	11	18	15	17	17	17	18	20	21	23	24	26	28	30	31	33	34	36	38	40	41	42	41
KNM-200AL <sup>3</sup>	n/a	18	17	12	10	22	21	21	21	22	24	25	27	29	30	32	34	35	37	33	41	42	45	47	41	52	n/a

<sup>1</sup>Sound Transmission Class

<sup>2</sup>Sound Testing (tested as free hanging barrier)

<sup>3</sup>E90-09 Sound Test for KNM-200B (without aluminum reinforced foil, tested as free hanging barrier)



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