



KINETICS® KNM

MASS LOADED BARRIER

Description

Kinetics KNM is a mass-loaded, limp, vinyl barrier material. KNM barriers are used for enclosing noise sources, either draped around equipment, process piping, suspended between equipment and quiet areas, or lagged to the equipment casing. Easy to cut and install. Available as KNM-B, KNM-RB, and KNM-C.

KNM-B

Limp barrier material, unreinforced and loaded with barium sulphate. Available in 0.50 psf (2.44 kg/m²), 1.00 psf (4.88 kg/m²), and 2.0 psf (9.76 kg/m²).

KNM-RB

Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate. Available in 0.50 psf (2.44 kg/m²) and 1.00 psf (4.88 kg/m²).

KNM-C

Clearview barrier material, very limp, tough, water clear, nonloaded and non-reinforced. Available in 0.50 psf (2.44 kg/m²) and 1.00 psf (4.88 kg/m²).

See more product details on page 2.

Application

- Industrial process piping acoustic wrap
- Acoustic liner for machinery covers
- Wall and door septum
- Enclosing noise sources
- Suspended between equipment and quiet areas
- Rooftop curb noise barrier

KNM-C clearview noise barriers are recommended for use in applications where it is necessary to maintain visual contact, yet achieve a high degree of noise reduction.

Specification

Barrier material shall meet the sound transmission loss and physical properties performance and the flammability standards listed in this brochure.

Barrier material shall be resistant to water, oils, weak acids, alkalies, and fungi, and have excellent weather resistance.

Barrier material to be Model KNM by Kinetics Noise Control, Inc.

Sound Transmission Loss, dB

ASTM E90-09: Tested as free hanging barrier

Product	125	250	500	1000	2000	4000	STC
KNM-50C	11	12	15	20	26	32	21
KNM-50B	11	12	15	20	26	32	21
KNM-50RB	11	12	15	20	26	32	21
KNM-100C	16	16	21	26	32	36	26
KNM-100B	16	16	21	26	32	36	26
KNM-100RB	16	16	21	26	32	36	26
KNM-200B	21	22	27	32	37	42	31

KNM-50B

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25 mm)
- Color: Black
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

KNM-100B — FIRE RATED

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50 mm)
- Color: Black
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls

Fire Testing per ASTM E84-15b

- Class A
- Flame Spread: 15
- Smoke Developed: 300

KNM-200B

Limp barrier material, unreinforced and loaded with barium sulphate.

- Weight: 2.0 psf (9.76 kg/m²)
- Nominal Thickness: 0.20" (5.00 mm)
- Color: Black
- 47.5-inch x 10-yard (1206 mm x 9.1 m) rolls

KNM-50RB

Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25mm)
- Color: Light Tan
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls.

KNM-100RB

Limp barrier material, reinforced with a fiberglass screen, and loaded with barium sulphate.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50mm)
- Color: Grey
- 54-inch x 20-yard (1372 mm x 18.2 m) rolls.

KNM-50C

Clearview barrier material, nonloaded and non-reinforced. Very limp, tough and water clear.

- Weight: 0.5 psf (2.44 kg/m²)
- Nominal Thickness: 0.05" (1.25mm)
- Color: Clear
- 48-inch x 20-yard (1219 mm x 18.2 m) rolls.

KNM-100C

Clearview barrier material, nonloaded and non-reinforced. Very limp, tough and water clear.

- Weight: 1.0 psf (4.88 kg/m²)
- Nominal Thickness: 0.10" (2.50mm)
- Color: Clear
- 48-inch x 20-yard (1219 mm x 18.2 m) rolls.



kineticsnoise.com/knm
sales@kineticsnoise.com
1-800-959-1229