



# Sonic-Shield™ Noise Barrier



**Sonic-Shield™ Noise Barrier** is a high-performance, flexible mass-loaded vinyl noise barrier, offering superior acoustic transmission loss.

**Sonic-Shield™ Noise Barrier** was developed to meet market requirements for reducing noise in the domestic, commercial, industrial and automotive markets.

To achieve this high performance, our manufacturer's engineering team developed a wavebar noise barrier to be dense, thin, highly flexible, tear-resistant and strong. These properties give the product high transmission loss throughout the various weight ranges.

Most constructions, such as plasterboard, drywall, plywood and hollow core walls, typically allow noise to transmit through them. Sonic-Shield's Noise Barrier stops the transmission of sound through walls, ceilings and floors, reducing the noise generated from mechanical equipment, engine noise and electronic audio technologies such as radio and television.

## FEATURES

- Low cost, long lasting with over 40 years' industry use.
- No ozone depleting substances generated during manufacture.
- Free from lead, odor-producing oils and bitumen.
- Easily installed in awkward places.
- Easy to cut and mechanically fasten into position.
- Resistant to most chemicals, solvents and petrol.
- Resistant to weather and UV light.
- Tear resistant with high tensile strength. Ability to be suspended in lengths of up to 16.5 ft. (5 meters).
- Available in two weights.

## APPLICATIONS

- Inside cavities or over lightweight wall, ceiling and floor constructions. Ideal for home theater rooms, office partitions, meeting rooms, apartments.
- Automotive and boat cabin application to reduce engine noise.
- Can be laminated onto lightweight structures to damp vibration and reduce airborne noise.

**Sonic-Shield™** products are sensitive to the environment, contain no ozone-depleting substances and comply with USA, European and Australian standards for Volatile Organic Compound (VOC) emissions.

For other product information, technical assistance or ordering, please call Sonic-Shield at 888-769-0766 or on-line at

[www.sonic-shield.com](http://www.sonic-shield.com)



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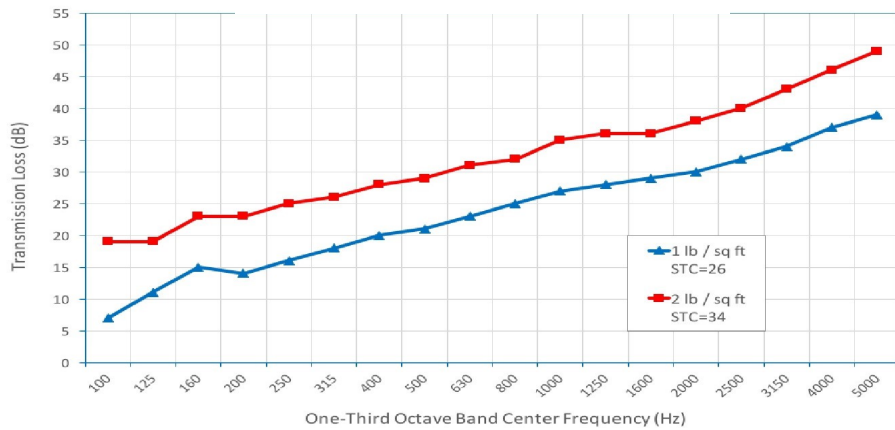
## PRODUCT SPECIFICATIONS

BARRIER WEIGHT (lb/ft <sup>2</sup> )	THICKNESS (inch)	ROLL WIDTH (inch)	ROLL LENGTH (linear feet)	ROLL WEIGHT (lb)	CEILING SOUND TRANSMISSION TEST AMA-1-II-1967 (CSTC)	OPERATING TEMPERATURE RANGE (°F)
0.5	0.05	*54"  (4.5ft.)	50	115	44 <small>(Report No. A-22104-0228)</small>	- 40 to 220 (Continuous)
1.0	0.125		30	135	48 <small>(Report No. -22107-0228)</small>	
1.5	0.15		20	135	50 <small>(Report No. 22114-0228)</small>	- 40 to 250 (Intermittent)
2.0	0.250		15	135	-	

Tolerances: Length: -0/+ 2 inch; Width: -0/+ 0.2 inch; Thickness: +/- 0.02 inch; Weight: +/- 5%  
 \*Supplied untrimmed - means some surface coverings such as foils, film or fabric may overhang the ordered useable width.

## ACOUSTIC PERFORMANCE

Sonic-Shield Noise Barrier STC\*



1/3 OB Center Frequency (Hz)	1 lb / sq ft STC=26	2 lb / sq ft STC=34
100	7	19
125	11	19
160	15	23
200	14	23
250	16	25
315	18	26
400	20	28
500	21	29
630	23	31
800	25	32
1000	27	35
1250	28	36
1600	29	36
2000	30	38
2500	32	40
3150	34	43
4000	37	46
5000	39	49

\* Tested at University of Canterbury in accordance with ISO 15186-1 / ISO 10140-4  
 Report No. 261, 262, 264, 265

## FLAMMABILITY PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
AS/NZS 3837:1998 <small>(Report No. PR2/5/6/7)</small>	Group Certification	Group 3	Test for heat & smoke release rates for materials & products using an oxygen consumption calorimeter.
FMVSS-302 <small>(Report No. 00813BD)</small>			
UL94 <small>(Report No. 17592PC)</small>	Self-extinguishing and/or Low burn rate	Self Extinguishing  HBF	Automotive burn rate.  Horizontal burn test for foam materials. Complies

## VOC STATEMENT

"The above products do not contain any Volatile Organic Compounds (VOC's) when evaluated according to definitions as applied under the Australia National Pollutant Inventory, The Council of the European Union, Council Directive 1999/13/EC or the USA EPA regulation 40 CFR 51.100(s)."

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