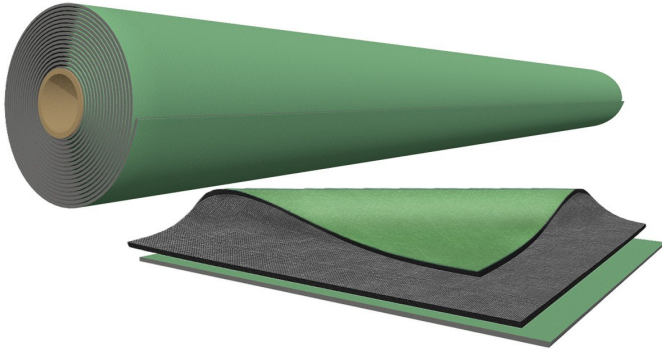




### Outdoor Flexible Noise Barrier



**Wavebar® Outdoor** is a high performance, flexible, tough, mass-loaded vinyl noise barrier curtain offering superior acoustic transmission loss. It was developed to meet market requirements in reducing noise on construction and industrial sites. To achieve its high performance, Pyrotek engineered **Outdoor** using a tear resistant, high tensile strength tarpaulin base fabric to give added support and weather resistance for both indoor and outdoor applications.

Typically, **Outdoor** can be designed as partial or complete enclosures around noise sources to reduce noise transference.

**Outdoor** can also be laminated to **Sorberfoam™** or **Sorberpoly™** to create a curtain that will reflect and also absorb noise within an enclosure. It can easily be cut and fabricated into various shapes to suit any design or area.

The extraordinary strength of **Outdoor** provides the versatility to hang or drape in long lengths, with the attachment of velcro seals to create easy accessibility to the enclosure.

Acoustic curtains are especially useful around industrial equipment and building sites, since curtains offer more versatility and economy than rigid installations.

**Outdoor** products are environmentally safe, contain no ozone depleting substances, and comply with European and Australian standards for Volatile Organic Compound emissions.

### FEATURES

- Low cost, long lasting with over 40 years' industry use
- No ozone depleting substances are generated during manufacture
- Easy to cut, sew, high frequency welded, or mechanically fasten into position
- Able to attach velcro, eyelets and grommets
- Resistant to most chemicals, solvents and petrol
- Resistant to weather and UV light
- Ability to suspend in lengths in excess of 20 metres
- High tear resistance, tolerates high wind conditions
- Available in various weights, widths & roll lengths
- Choice of five colours - military green, royal blue, grey, yellow and orange
- Available with various laminates such as **Sorberfoam™** or **Sorberpoly™**

### APPLICATIONS

- Both indoor and outdoor applications
- Around construction sites to reduce environmental noise issues
- Acoustic expansion joints to reduce break-out noise in air conditioning duct systems
- Portable acoustic curtains and screens. Easily draped over fencing to create an acoustic barrier
- Enclosures for industrial equipment such as punch presses, blowers, drop saws, granulators and generators
- Ideal noise curtain for portable mobile equipment including jack hammers, drilling rigs and pile drivers
- Can be designed to be installed into a C-track support system for moveable / concertina curtains

## PRODUCT SPECIFICATIONS

BARRIER WEIGHT (kg/m <sup>2</sup> )	THICKNESS (mm)	ROLL WIDTH (mm)	ROLL LENGTH (Lineal Metres)	ROLL WEIGHT (Kg)	TENSILE STRENGTH (AS 2001.2.3)	OPERATING TEMPERATURE RANGE (°C)
4	2.0	1000*	5 or 10	20 - 40	Warp: 2500N/50mm Weft: 1850N/50mm	- 40 to 100 (Continuous)
8	4.0		5	40		- 40 to 120 (Intermittent)

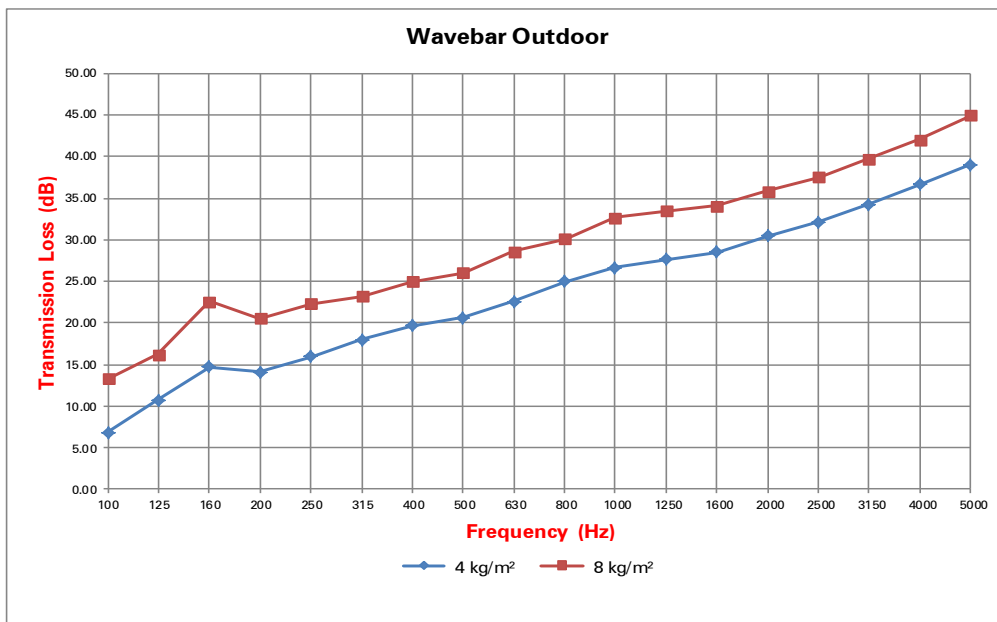
Tolerances: Length: -0/+50mm; Width: -0/+5mm; Thickness: +/- 0.5mm; Weight: +/- 5%

Other weights and widths available subject to minimum order quantity

\*Supplied untrimmed - means some surface coverings such as foils, film or fabric may overhang the ordered useable width

## ACOUSTIC PERFORMANCE

(Tested at University of Canterbury in accordance with ISO 15186-1 / ISO 10410-4 Report No.189 Issue:1)



Frequency (Hz)	4 kg/m <sup>2</sup>	8 kg/m <sup>2</sup>
100	6.80	13.30
125	10.76	16.19
160	14.66	22.55
200	14.05	20.51
250	15.95	22.29
315	17.93	23.16
400	19.66	25.00
500	20.61	25.99
630	22.55	28.58
800	24.99	30.09
1000	26.61	32.66
1250	27.58	33.43
1600	28.50	34.09
2000	30.41	35.86
2500	32.11	37.56
3150	34.26	39.74
4000	36.67	42.06
5000	39.00	45.00
<b>Rw</b>	<b>25</b>	<b>31</b>
<b>STC</b>	<b>26</b>	<b>31</b>

Test results are based on Wavebar Original.

## FLAMMABILITY PROPERTIES

TEST METHOD	INDEX	RESULTS	DESCRIPTION
FMVSS-302	Burn Rate - mm/min	Self Extinguishing	Automotive burn rate.
UL94	After flame time ≤ 2 seconds	HBF	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)."

Caveats: Specifications are subject to change without notice. The data in this document are typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. **DISCLAIMER:** This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See [www.pyroteknc.com/disclaimer](http://www.pyroteknc.com/disclaimer).

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Wavebar Outdoor

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**Pyrotek**  
noise control