

WAVEBAR® NC

high tensile strength noise barrier

Wavebar® NC is a high performance, flexible, tough, mass-loaded vinyl noise barrier offering superior acoustic transmission loss. It was developed to meet requirements for construction and industrial sites.

Pyrotek® engineered Wavebar® NC to be tear resistant, with a high tensile strength tarpaulin base fabric that can withstand tough weather conditions and UV light. It was designed to be durable, resist most chemicals, solvents, petrol and offering versatility to hang or drape in long lengths - being the ideal choice for outdoor, construction and industrial sites.

Wavebar® NC can be designed as a partial or complete enclosure around noise sources to reduce noise transference. Can incorporate velcro seals, eyelets or other customised requirements meaning the enclosure can be easy to adjust, remove, or for accessibility.

Sorberfoam or Sorberpoly™ can be laminated on Wavebar® NC to further assist in absorbing and reducing noise. It is also simple to cut into various shapes to suit any design or area of application.

VOC STATEMENT

Wavebar® NC does not contain any Volatile Organic Compounds (VOC) 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).

SPECIFICATIONS

Colour	Military Green, Grey
Packaging (Standard)	Width: 1000* mm
	Length (linear m): 5 - 10 m
	Weight (kg/m ²): 4, 8
	Custom depending on MOQ

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



applications

- Construction sites - both indoor and outdoor
- Enclosures for industrial equipment - punch presses, blowers, drops saws, granulators and generators
- Portable acoustic curtain - draped over fencing to create an acoustic barrier
- 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

features

- No ozone depleting substances
- Resistant to most chemicals, solvents and petrol
- Resistant to weather and UV light
- Tear resistant - tolerating high wind conditions
- Ability to suspend in lengths in excess of 20 metres
- Able to attach - velcro, eyelets and grommets
- Available in various weights, widths and roll lengths
- Simple to cut, sew, high frequency welded, or mechanically fasten into position



PRODUCT SPECIFICATIONS

Barrier weight (kg/m ²)	Thickness (mm)	Roll			Tensile strength (AS 2001.2.3)	Operating temp. range (°C)
		Width (mm)	Length (linear m)	Weight (kg)		
4	2	1000*	5 or 10	20 - 40	Warp: 2500N/50mm Weft: 1850N/50mm	-40 to 100 (Continuous) -40 to 120 (Intermittent)
8	4		5	40		

Tolerances: Length: -0/+50mm; Width: -0/+5mm; Thickness: +/- 0.5mm; Weight: +/- 10%

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

MATERIAL PROPERTIES

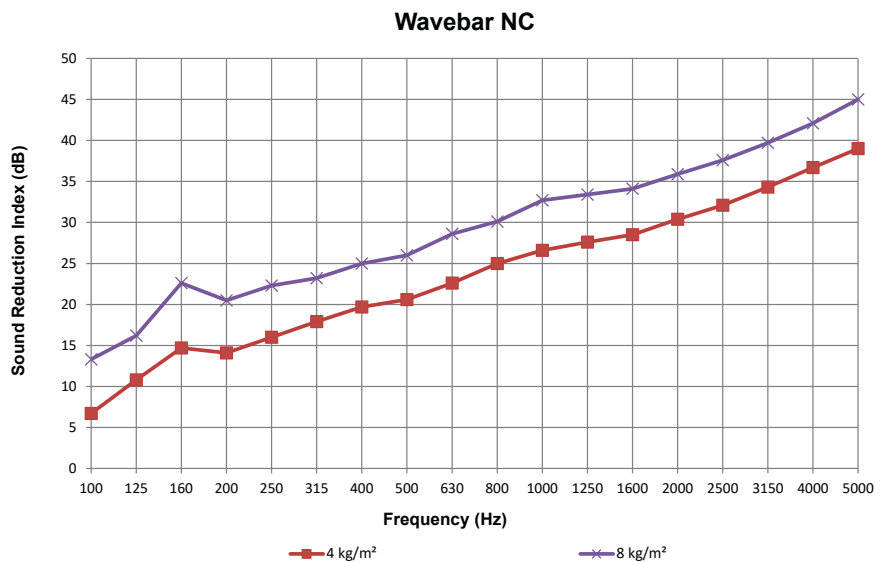
Test method	Index	Description	Results
FMVSS-302	Burn Rate - mm/min	Automotive burn rate.	Self Extinguishing
UL94	After flame time ≤ 2 seconds	Horizontal burn test for foam materials. Complies	HBF

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ACOUSTIC PERFORMANCE

Frequency (Hz)	4 kg/m ²	8 kg/m ²
100	6.7	13.3
125	10.8	16.2
160	14.7	22.6
200	14.1	20.5
250	16.0	22.3
315	17.9	23.2
400	19.7	25.0
500	20.6	26.0
630	22.6	28.6
800	25.0	30.1
1000	26.6	32.7
1250	27.6	33.4
1600	28.5	34.1
2000	30.4	35.9
2500	32.1	37.6
3150	34.3	39.7
4000	36.7	42.1
5000	39.0	45.0
Rw	25	31
STC	26	31



Tested to ISO 15186-1:2003 & 10140-4:2010 at University of Canterbury, New Zealand
Report Number: 189

For further information and contact details, please visit our website pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is 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, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek 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 pyroteknc.com/disclaimer.

