WAVEBAR® NC

tough and flexible noise barrier with high tensile strength

Wavebar NC is a high-performance mass-loaded vinyl noise barrier curtain 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 harsh weather conditions and UV light. The product is durable, can resist most chemicals, solvents, petrol and offer versatility to hang or drape in long lengths. These properties make Wavebar NC the ideal choice for environments such as construction and industrial sites.

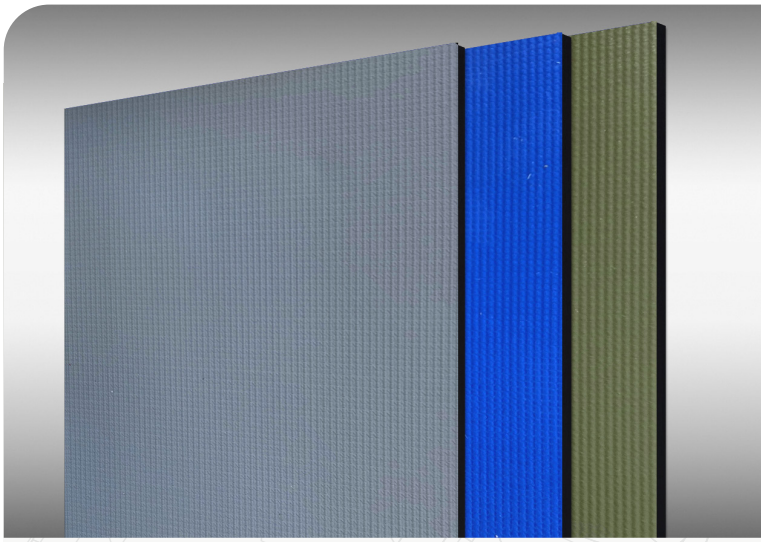
Wavebar NC can be designed as a partial or complete enclosure around noise sources to reduce noise transference. The product can incorporate hook-and-loop fasteners, eyelets or other customised requirements meaning the enclosure can be easy to adjust, remove, or for accessibility. Sorberpoly 2D can also further assist with the noise breakout by incorporating it in conjunction with perforated vinyl facing, which will act as an absorber. It is also simple to cut into various shapes to suit any design or area of application.

VOC, ODP, HEALTH AND SAFETY

Wavebar NC is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet. No Ozone depleting substances are used during the manufacture of Wavebar NC. 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).
Wavebar NC is not considered to sustain vermin or have susceptibility to damage from vermin.

SPECIFICATIONS

Colour	Light Grey, Royal Blue & Olive Green (standard) Other colours available on request (depending on MOQ)
Available	Standard roll width: 1425 mm Standard roll length: 5 to 10 m Weight: 2.5 and 5 kg/m^2
	Custom sizes, weights and/or thicknesses available depending on MOQ



applications

- Construction sites - both indoor and outdoor environments
- Enclosures for industrial equipment - punch presses, blowers, drop saws, granulators and generators
- Portable acoustic curtain - draped over fencing to create an acoustic barrier
- Noise curtain for portable mobile equipment including jackhammers, 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 10 metres
- Able to attach - hook and loop systems, eyelets and grommets
- Available in various weights, widths and roll lengths
- Simple to cut, sew, high frequency welded, or mechanically fasten into position

PRODUCT SPECIFICATION

Product	Thickness	Standard roll size		Tensile strength (ISO 1421 Method 1)	Tear Strength (ISO4674-1)	Operating temperature
		Length	Width[1]			
Wavebar 2.5 kg/m²	1.5 mm	10 m	1425 mm	Warp: 2200N/50 mm Weft: 2000N/50 mm	Warp (Machine Direction): 150N Weft (Cross Direction): 120N	-40 to 100 °C (Continuous) -40 to 120 °C (Intermittent)
Wavebar 5 kg/m²	2.5 mm	5 m				

Tolerances: Length: -0/+50 mm; Width: -0/+5 mm; Thickness: ±0.5 mm; Weight: ±10%. Other colours, weights and widths available subject to minimum order quantity.

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

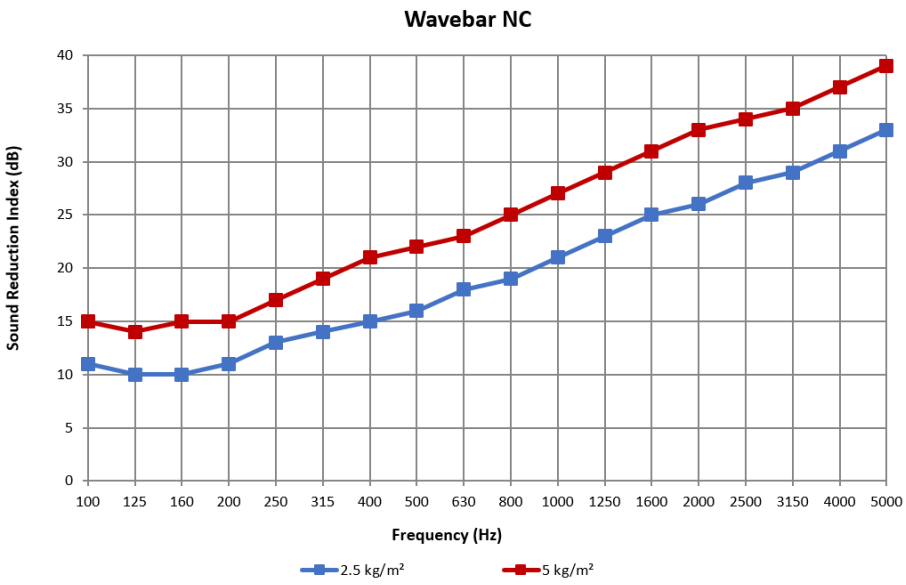
MATERIAL PROPERTIES

Test method	Property	Report no.	Results
FMVSS 302	Flammability of interior materials	02313BD6R1	Complies to the requirements of US (DOT) Department of transportation for occupant compartments of motor vehicles
UL 94	Flammability of plastic materials	02313BD5R1	HBF

ACOUSTIC PERFORMANCE

Frequency (Hz)	2.5 kg/m²	5 kg/m²
100	11	15
125	10	14
160	10	15
200	11	15
250	13	17
315	14	19
400	15	21
500	16	22
630	18	23
800	19	25
1000	21	27
1250	23	29
1600	25	31
2000	26	33
2500	28	34
3150	29	35
4000	31	37
5000	33	39
R_w	21	26
STC	21	26

Tested to ASTM E90 at Riverbank Acoustical Laboratories, USA
Report Numbers: TL18-641 & TL18-642



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.
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