



Weight-Enhanced Barrier Mat

The Product

Primarily used for its airborne, low-frequency damping properties, the Weight-Enhanced Barrier Mat is easily installed, providing almost immediate results. It can be used to great effect on its own – a noise curtain, for example – or in combination with other soundproofing materials.

The Facts

- Used in roof, floor and wall sound reduction applications where airborne and impact noise transmission is apparent
- Ideal where vibration is a problem
- Made of high-density barium sulphate loaded thermoplastic polymer, plasticized with phthalate esters and containing mineral fillers
- Bitumen-free, recyclable and environmentally neutral
- Available in three standard weights
- Self adhesive backing and Class O foil facing available

Specification

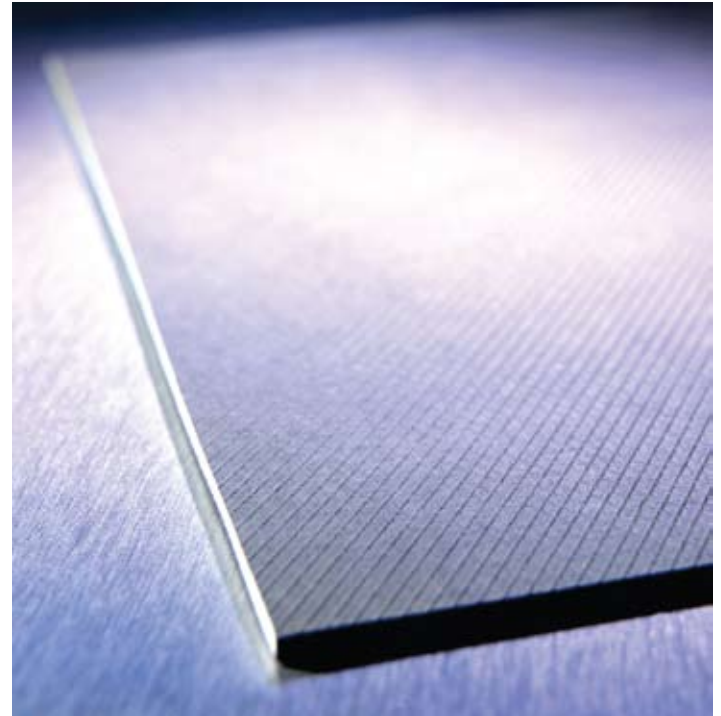
- Standard sheet sizes: 2m x 1.2m and 1.2m x 1m
- Flammability (FMVSS 302): Zero burn rate
- Tensile strength (BS2782: Pt3: 1976): 5.75N.mm²
- Elongation at break (BS2782: Pt3: 1976): 100%
- Hardness (Shore A): 90°C
- Service temperature: <90°C (continuous); <120°C (short periods); >-30°C

Weight

	Thickness (mm)	Weight (kg/m ²)
JCWB5	2.0	5.0
JCWB7.5	3.7	7.5
JCWB10	5.0	10.0

Transmission Loss Data

Material / Frequency	63	125	250	500	1k	2k	4k	8k
JCWB5	19	14	18	22	27	32	38	44
JCWB7.5	21	18	22	26	31	36	42	49
JCWB10	22	20	24	28	33	39	44	50



Acoustic Performance

Tested and rate according to: BS EN ISO 717-1: 1997; BS EN ISO 140-3: 1995; BS EN ISO 2750: Part 3: 1995.

Installation

This product is simple to install and can be fixed using pins, hangers or banding. Alternatively, it can be bonded using a John C Wilkins approved polyurethane-based contact adhesive or a solvent-based acrylic pressure-sensitive adhesive.

For expert installation, we offer our own installation service anywhere in the UK. Your installation will be performed to the highest standards by skilled and experienced tradesmen. These experts understand the importance of fitting acoustic materials absolutely perfectly and they have the specialist skills to ensure your John C Wilkins materials are fitted correctly every time. As they are both experienced and skilled, they are also able to provide a highly efficient and extremely cost-effective service.

For further details, call John C Wilkins Acoustic Installations on 01204 548400.

APPLICATIONS

- Offices • Meeting Rooms • Hotels • Conference Centres
- Leisure Centres • Schools • Restaurants • Showrooms

JOHN C WILKINS ACOUSTIC SUPPLIES

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