

## Advantages

- Available in sheet or roll form.
- Flexible and easily cut.
- Easy to handle and install.
- Available in three standard weights.
- Provides a cost effective sound barrier solution.
- Available with self-adhesive backing or Class 'O' foil facing.

## Applications

CMS WB barrier material can be used as either a single sound barrier layer such as a noise curtain, or as part of a composite combined with sound absorbing materials such as mineral wool or foam for soundproofing materials. Commonly utilised in roof, floor and wall sound reduction applications to reduce transmission of airborne and impact noise.

## Description

CMS WB Weight-enhanced Acoustic Barrier is a high-density barium sulphate loaded thermoplastic polymer plasticised with phthalate esters and containing mineral fillers. Black in colour, ecologically neutral and recyclable; the material is bitumen free.

## Technical Information

CMS WB barrier material conforms to the following specifications:

Flammability (FMVSS 302) -	Zero burn rate
Tensile strength (BS2782: Pt3: 1976)	5.75N.mm <sup>2</sup>
Elongation at break (BS2782: Pt3: 1976)	100%
Hardness (Shore A) -	90°
Service temperature -	<90°C (continuous)
	<120°C (short periods)
	>-30°C
Shelf Life	Indefinite in cool dark conditions

## Physical Information

### Dimensions

Standard sheet size: 2m x 1.2m

Also available in cut to size sheets and in rolls to suit requirements. Maximum width available is 2m.

### Weights

CMS WB barrier material is available in three standard weights:

Type	Thickness(mm)	Weight(kg/m <sup>2</sup> )**
WB5	2.0	5.0
WB7.5	3.7	7.5
WB10	5.0	10.0

\*WB3.5 and WB15 available upon request.

\*\*Nominal weights

## Acoustic Performance

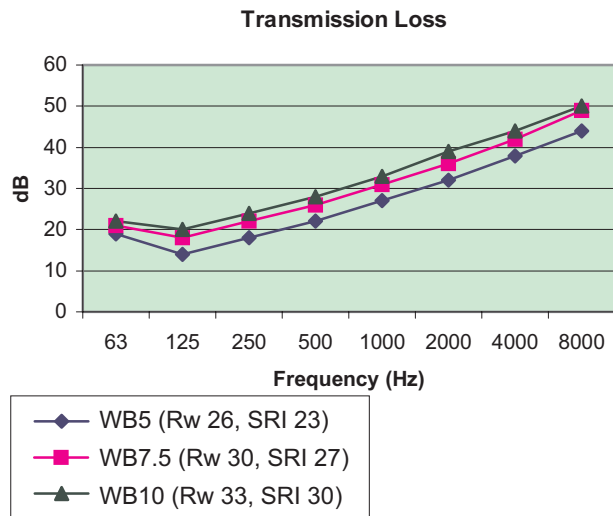
CMS WB barrier material is a high performance material that has been acoustically tested at a UKAS certified independent test laboratory.

Tested and Rated according to: BS EN ISO 717-1:1997  
BS EN ISO 140-3:1995  
BS EN ISO 2750:Part3:1995

### Transmission Loss Data

Material \ Frequency	63	125	250	500	1k	2k	4k	8k
WB5	19	14	18	22	27	32	38	44
WB 7.5	21	18	22	26	31	36	42	49
WB10	22	20	24	28	33	39	44	50

## Transmission Loss Data(cont)



### Installation Guidelines

CMS WB barrier is simple to install either direct to the noise source or in conjunction with a spaced layer; the product can be laid directly.

The barrier can be fixed in place by mechanical means i.e. pins, hangers or banding, or bonding using a polyurethane based contact adhesive (CMS type A7153). Alternatively a solvent based acrylic pressure sensitive adhesive (CMS type A419).

For WB barrier material supplied with a self-adhesive backing, it is important to ensure that the surface is clean and free from dust and grease. After aligning the barrier material, peel back the release paper and adhere to the surface. Note, self-adhesive versions should not be relied on as the only method of support when fixing in a vertical or inverted position and additional mechanical means of support must be employed.

### Installation Service

In addition to supply of this product CMS Acoustic Solutions offers a competitively-priced installation service anywhere in the UK. Use of our service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting acoustic materials correctly. For further details contact our technical team on 01925 577711.

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