

TECHNICAL INFORMATION SHEET



Benefits

- 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 '0' foil facing.

Applications

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

Physical Information

Dimensions

Standard sheet size: 2m x 1.2m

Also available in cut to size sheets and in rolls to suit requirements (subject to quantity).
Maximum width available: 2m

Weights - CMS Danskin WB barrier material is available in three standard weights

Type	Thickness (mm)	Weight (kg/m ²)**
WB 5	2.0	5.0
WB 7.5	3.7	7.5
WB 10	5.0	10.0

* WB 3.5 and WB 15 available upon request

** Nominal weights

Technical Information

CMS Danskin WB barrier material conforms to the following specifications:

Flammability (FMVSS 302)	Zero burn rate
Tensile strength (BS2782:Part 3:1976)	5.75N/mm ²
Elongation at break (BS2782:Part 3:1976)	100%
Hardness (Shore A) -	90°
Service temperature	< 90° (continuous) < 120° (short periods) > -30°
Shelf life	Indefinite in cool dark conditions

Acoustic Performance

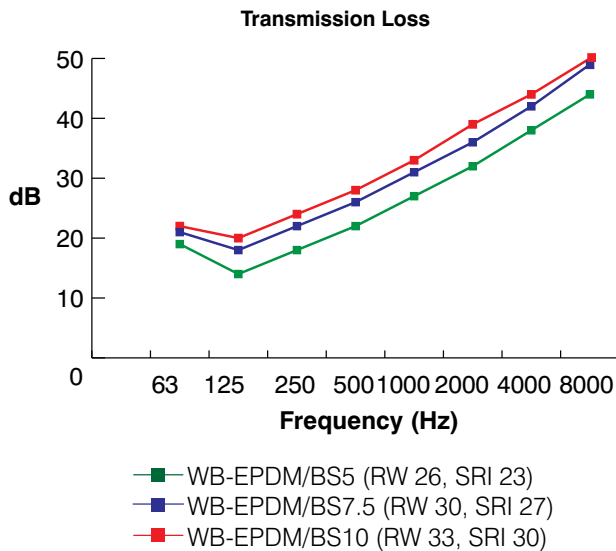
CMS Danskin WB barrier material is a high performance material that has been acoustically tested at a UKAS certified independent test laboratory.

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

Acoustic Performance (continued)

Transmission Loss Data

Material/Frequency	63	125	250	500	1k	2k	4k	8k
WB 5	19	14	18	22	27	32	38	44
WB 7.5	21	18	22	26	31	36	42	49
WB 10	22	20	24	28	33	39	44	50



Installation Accessories

CMS Danskin Acoustics can recommend the following products to assist installation.

Pins and Washers

CMS Danskin pins and washers are available in two designs

- 1) With a self adhesive base.
- 2) With a perforated base for use with a separate adhesive.

Both types consist of a pointed spike attached to a square steel base. The CMS Danskin WB Weight-enhanced Acoustic Barrier is held in place by a self-locking washer, which is slid over the spike after the material is installed.

Installation Service

In addition to supply of this product CMS Danskin Acoustics can provide a listing of competitively-priced approved installers that service anywhere in the UK. Use of this service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting CMS Danskin acoustic materials correctly.

Please contact CMS Danskin on 01925 577711 for a list of approved and qualified installers.

Installation Guidelines

CMS Danskin 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 Danskin type A7153/ XP2109 adhesives). 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.

IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.

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