

WB Acoustic Barrier & WB Superflex Acoustic Barrier

Technical Data Sheet

CMS Danskin Acoustics WB weight-enhanced acoustic barriers are manufactured from 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.



FEATURES and BENEFITS

- Available in sheet or roll form
- Flexible and easily cut
- Easy to handle and install
- Available in three standard weights for WB Acoustic Barrier
- Available in two standard weights for WB Superflex Acoustic Barrier
- Provides a cost effective sound barrier solution
- Available with self-adhesive backing or Class '0' foil facing

PHYSICAL INFORMATION

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	

Type	Thickness (mm)	Weight (kg/m ²)**
WB 3.5	1.5	3.5
WB 5	2.0	5.0
WB 7.5	3.7	7.5
WB 10	5.0	10.0
WB 15	7.0	15.0

** Nominal weights

APPLICATIONS

CMS Danskin Acoustics WB acoustic barrier 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.

WB Superflex Acoustic Barrier is part of the CMS Danskin Acoustics SuperLag range. Particularly suitable for roofing systems comprised of profiled steel where its highly mouldable form provides a close dense covering with excellent damping properties.

TECHNICAL INFORMATION

Hardness (Shore A) -	90°
Service temperature	< 90°C (continuous) < 120°C (short periods) > -30°C
Shelf life	Indefinite in cool dark conditions

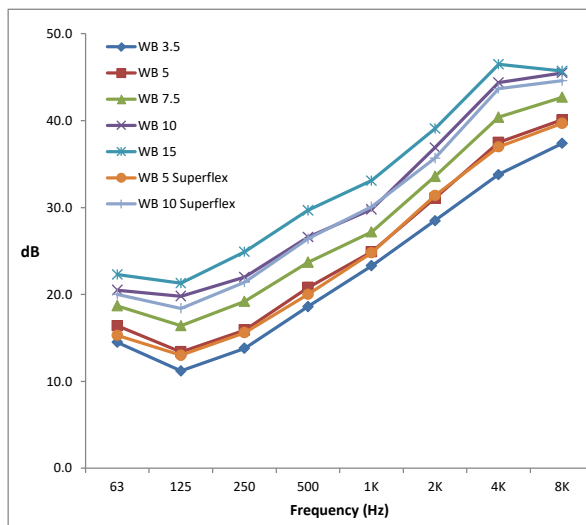
ACOUSTIC PERFORMANCE

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

BS EN ISO 10140-2:2010.

TRANSMISSION LOSS DATA

Material	Frequency								R _w	SRI
	63	125	250	500	1k	2k	4k	8k		
WB 3.5	14.5	11.2	13.8	18.6	23.3	28.5	33.8	37.4	23	20
WB 5	16.4	13.4	15.9	20.8	24.9	31.1	37.5	40.1	25	22
WB 7.5	18.7	16.4	19.2	23.7	27.2	33.6	40.4	42.7	28	25
WB 10	20.5	19.8	22.0	26.6	29.8	36.9	44.4	45.5	31	28
WB 15	22.3	21.3	24.9	29.7	33.1	39.1	46.5	45.7	34	31
WB 5 Superflex	15.3	13.0	15.6	20.0	24.8	31.4	37.0	39.7	25	22
WB 10 Superflex	20.0	18.4	21.4	26.4	30.1	35.7	43.7	44.6	30	28



INSTALLATION GUIDELINES

CMS Danskin Acoustics WB acoustic barriers are simple to install either direct to the noise source or for enhanced performance 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 or MF adhesive.

For WB acoustic barrier 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 ACCESSORIES

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

Pins and Washers

CMS Danskin Acoustics 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 Acoustics WB acoustic barrier is held in place by a self-locking washer, which is slid over the spike after the material is installed.

CONTAINED SUBSTANCES

- Di-isononyl phthalate (DINP)
- CAS # 28553-12-0, EC No. 249-079-5 (5-10% w/w)
- REACH Annex XVII restriction - entry 52 toys & childcare articles
 - Living Building Challenge (LBC) Red List
 - Substitute It Now (SIN) List
 - California Prop. 65 List