



Advantages

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

Applications

Wilhams WB Class ‘O’ 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 mats. Commonly utilised in floor and wall sound reduction applications to reduce transmission of airborne and impact noise.

Description

Wilhams WB Class ‘O’ barrier is a high-density mineral loaded thermoplastic polymer plasticised with phalate esters and containing mineral fillers, black in colour and with foil face, ecologically neutral and recyclable.

Technical Information

Wilhams WB Class ‘O’ barrier material conforms to the following specifications:

- Flammability BS 476 Parts 6 & 7 Class ‘O’
- Tensile strength (BS2782: Pt3: 1976) – 5.75N.mm²
- Elongation at break (BS2782: Pt3: 1976) – 100%
- Hardness (Shore A) - 90^o
- Shelf Life – Indefinitely in cool dark conditions

Physical Information

DIMENSIONS

Standard sheet size: 2m x 1.2m

WB Class ‘O’ Barrier is also available in cut to size sheets and in rolls to suit requirements. Maximum width available is 2m.

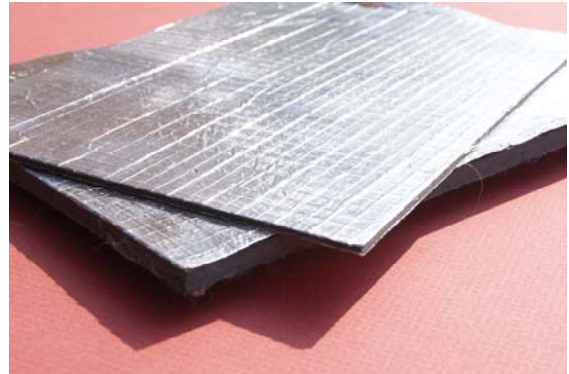
WEIGHTS

Wilhams WB Class ‘O’ barrier material is available in three standard weights:

Type*	Thickness (mm)**		Weight (kg/m ²)**
	Barrier	Overall	
WB 5	2.0	3.0	5.0
WB 7.5	3.0	4.0	7.5
WB 10	5.0	6.0	10.0

*WB 3.5 and WB 15 Class ‘O’ available upon request.

**Nominal thickness & weights



Sample: WB 5 & WB 10 Class ‘O’

Acoustic Performance

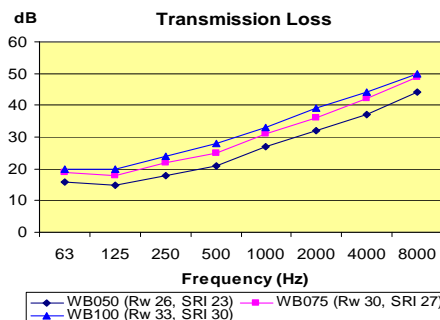
Wilhams WB Class ‘O’ barrier material is a high performance material that has been acoustically tested at a UKAS certified independent test laboratory.

Tested and Rated according to:

BS EN ISO 717-1:1997

BS EN ISO 140-3:1995

BS EN ISO 2750:Part3:1995



Installation Guidelines

Wilhams WB Class ‘O’ barrier is simple to install either direct to the noise source or in conjunction with a spaced layer; the product can be laid directly and can then be fixed in place by mechanical means i.e. pins, hangers, banding, or bonding using a polyurethane based contact adhesive (Wilhams type A7153).

For WB Class ‘O’ 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.

Wilhams Insulation Group

41 Albany Road, St Leonards-on-Sea, East Sussex, TN38 0LJ
t: +44 (0) 1424 717 171 f: +44(0) 1424 201 000 e: sales@wilhams-insulation.co.uk