

# TECHNICAL DATA SHEET

## WB EUROCLASS ACOUSTIC BARRIER

### PRODUCT DESCRIPTION

WB Euroclass Acoustic Barrier is a Foil Faced sound barrier classified under EN 13501-1:2007+A1:2009 as:

#### **B-s2, d0**

When used in wall and ceiling applications and mounted without an air gap over any substrate with a minimum thickness of 12mm and a density greater or equal to 870 kg/m<sup>2</sup> having a fire performance of A2 or better. Not applicable for paper faced gypsum boards which are specifically excluded.

The product is free of lead, unrefined aromatic oils and bitumen.

### APPLICATION

Designed to improve the sound insulation of existing panels of metal, wood, plastic etc., at all frequencies. The mat is normally fixed in intimate contact with the original panel. WB Euroclass Acoustic Barrier is ideal as a monolayer or in combination with glass and mineral wool in duct lagging applications

### PHYSICAL PROPERTIES

Colour:	Silver
Superficial Weight:	5.0Kg/m <sup>2</sup> (+/- 10%)
Nominal Thickness*:	2.4 mm (typical range -10% to +20%)
Tensile Strength (polymer):	1.2 MPa (typical min 1.0 MPa)
Elongation at Break (polymer):	70% (typical min 30%)
Reaction to fire classification:	B-s2, d0 FMVSS 302 Self-extinguishing
Operating Temperature Range (Static):	-20°C to +93°C (short exposure at extremes)

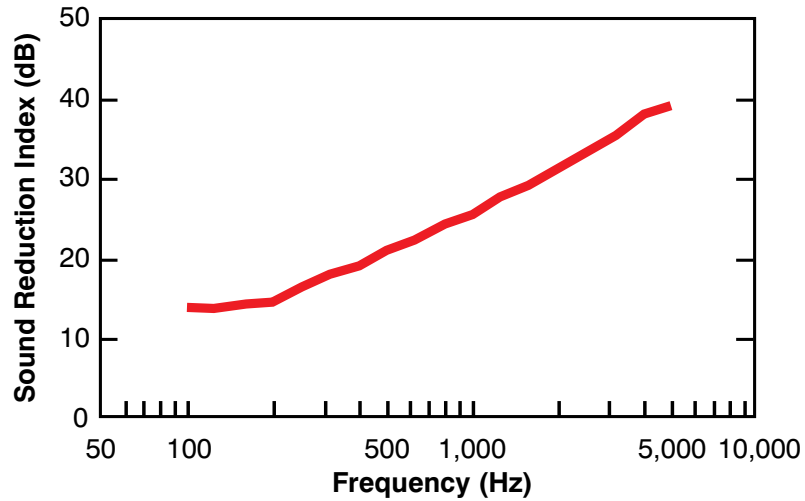
Vinyl barrier material will naturally have a slight vinyl odour

\*Materials are made to weight tolerances

## ACOUSTIC PERFORMANCE

5kg/m<sup>2</sup> limp barrier Weighted Sound Reduction Index (Rw) = 25 dB

**Sound Reduction Index,  
BS EN ISO10140-2 Free Hanging Curtain  
Rw (C;Ctr)=25 (0;-3) dB**



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