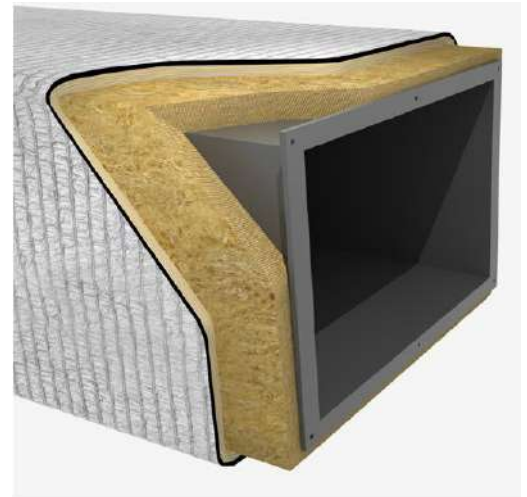


Siderise DWX duct acoustic barrier

A soft flexible quilt with an outer heavy polymeric acoustic membrane used to improve the sound insulation of thin lightweight ductwork



Application

It is particularly suited for use as an external cladding to sheet metal ducts. The insulation layer is an efficient thermal insulation material, and the outer foil faced barrier forms an effective vapour barrier.

The product is used in many varied applications and industries including construction, marine, automotive, HVAC and OEM.

Common applications include external lining of ductwork and ventilation equipment, concrete columns, generators, compressors, process plant and electrical equipment.

Product Description

Siderise 'DWX' Series acoustic barrier for ductwork is a range of soft flexible mass barrier quilts with two choices of mass membrane (DW5P, DW10P).

DWX comprises a flexible resin-bonded glass fibre quilt contained within an anti-dusting fleece and diamond stitched, with an outer heavy polymeric acoustic membrane with a surface weight of either 5kg/m² or 10kg/m². The exposed surface of the product is finished with a Class 'O' reinforced H & V aluminium foil.

Acoustic performance

The product's acoustic performance is tested in accordance with BS EN ISO 10140-2:2010. Weighted sound reduction index (dB R_w) values are given below in Table 1.

Table 1 – Acoustic performance

Weighted Sound Reduction Index (on 18 swg steel plate)

Product Code	Weight (Kg/m ²)	R_w (dB)
DW5P	6	36
DW10P	11	38

Fire Performance

In terms of 'Reaction to Fire', the products are classified to BS476 Part 6 & 7. See Table 1.

Table 2 : Reaction to Fire Performance

Product Code	Weight (Kg/m ²)	BS467 Part 6 & 7
DW5P	6	Class 0
DW10P	11	Class 0

Technical specification

Form Supplied	Standard sheet size: 2000mm x 1200mm
Thickness	Insulation layer 25mm nominal
Surface weight	DW5P – 6 Kg/m ² nominal overall DW10P – 11 Kg/m ² nominal overall
Insulation layer	16kg/m ³ nominal resin bonded glass fibre quilt
Central mass membrane	Flexible EPR and Thermoplastic Polymeric Barrier
Fire resistance performance	None – Acoustic only barrier

Products available

The following Siderise products for use the Interiors Sector are available:

- Siderise AVC acoustic void closures for tops of walls
- Siderise BM/P series barrier mat
- Siderise CBX flexible acoustic barriers
- Siderise CLS acoustic lining system
- Siderise CVB/LAM acoustic barriers for suspended ceilings
- Siderise CVB/P10 acoustic barriers for suspended ceilings and raised access floors
- Siderise DWX duct acoustic barriers
- Siderise FLX foam based flexible acoustic barriers
- Siderise MC mullion overlaid system

Contact us for a copy of our building acoustics range brochure.

Contact us for further information on our CPDs

Further information

Technical support

For further information please contact our technical team at the address below.

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