

Lagging 251A

Product Introduction

dBX FLEXILAGG

~ Combination Noise Barrier ~ Decoupling Layer
 dBX Flexilagg is designed as a de-coupled noise barrier to reduce noise breakout from ducts and pipes. dBX Flexilagg acts as a shield or wrap, primarily for use in HEVAC and hydraulic services.

Product Construction

FACING • SURFACE COVERINGS

dBX Flexilagg uses Bonded Foil (BF), a strong reinforced foil facing, giving improved fire test results to AS1530 Part 3, Early Fire Hazard properties and increased mechanical strength.

NOISE BARRIER • 5KG/M² AND 8KG/M² dBX

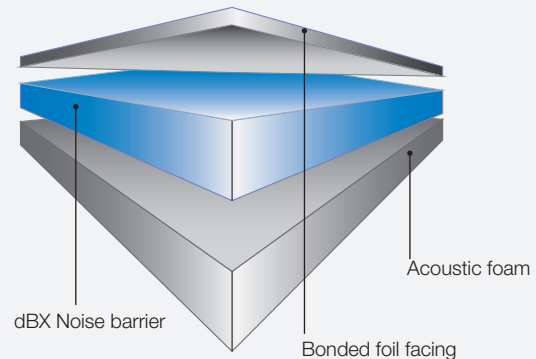
The dBX noise barrier reduces noise through its unique construction. The specialist fillers create a heavy flexible mass barrier, maximising noise reduction. dBX's uniquely flexible and naturally inert nature allows effective, easy installation, essential in achieving a noise-tight seal.

ACOUSTIC FOAM • 12MM

dBX Flexilagg uses a hydrolysis resistant polyether foam, with natural resistance to humidity, designed to maximise acoustic performance. This provides a decoupling layer which breaks the vibration path allowing the noise barrier to continue to perform in a limp non-constrained manner. The dBX noise barrier has enough inherent flexibility to allow thinner layers of foam to be used, improving fit-out quality on traps and joins. dBX Flexilagg's decoupling layer can therefore be reduced to 12mm.

Product Application

dBX Flexilagg is designed for a wide range of building and construction. dBX Flexilagg is primarily used to control water and waste pipe noise, and is also ideal for the control of duct radiated noise as a lagging or for the lagging of fans and AC units providing noise and heat insulation.



Acoustic Testing

dBX Flexilagg has been tested to comply with a range of applications and systems under different test methods.

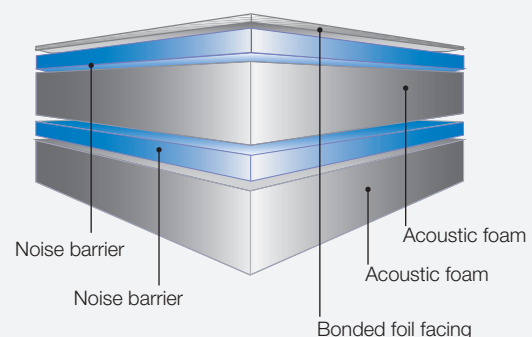
As this is of a specialist nature a technical assessment from the manufacturer of the relevant test methods and building code is required to give accurate compliance advice.

Specialist Lagging Products

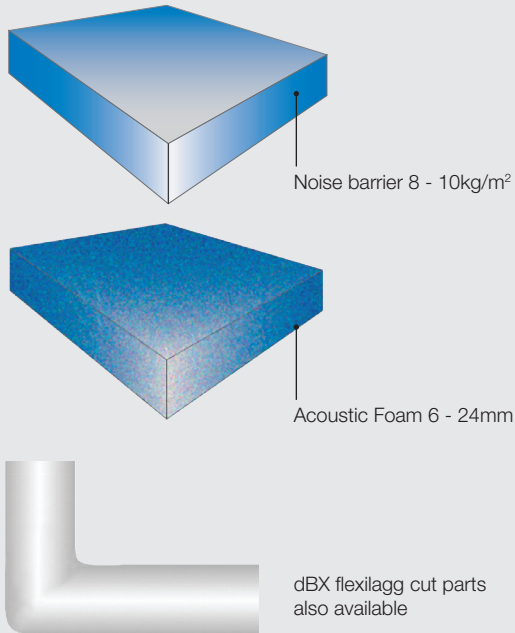
DOUBLE BARRIER LAYER

A specialist lagging for pipe and duct noise control. Manufactured as a double layer noise barrier separated by acoustic foam giving a double wrap in one product for highly sensitive areas or when installation of two layers presents a problem.

Due to the specialist nature of each application, specifications are subject to technical assessment from the manufacturer or your local representative.



Extra noise barrier weights or foam thickness available for non-standard lagging products

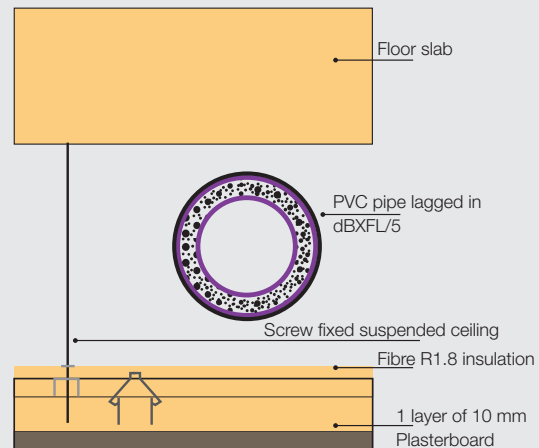


Product Installation

The unique flexibility of dBX lagging makes installation of the product simple, requiring only a few basic tools to install. The inert nature of the dBX noise barrier means standard contact adhesives and tapes can be used for fitting. Whilst mechanically

strong from the reinforced foil facing, the product can be easily cut, moulded and shaped without specialist tools or equipment. A range of finishing tapes and contact adhesives are also available.

Care should be taken by the installer to ensure no gaps are left in the installation of the product, as noise acts like water under pressure and can leak from any gap in the insulation.

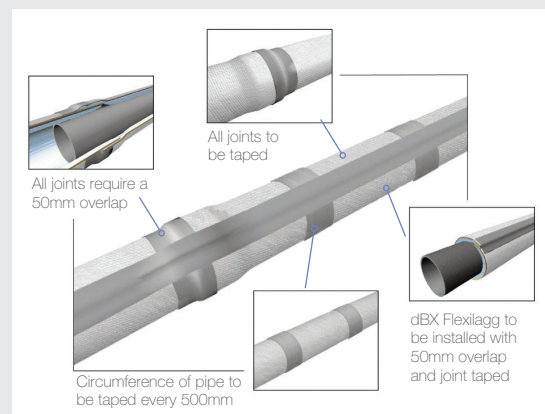


System $R_w 45$

PRODUCT CODES

dBXFL/5 (R or S)	dBX Flexilagg, 12mm acoustic foam, 5kg/m ² dBX noise barrier, Bonded Foil facing, 1400mm x 2300mm sheet (S), or 1400mm x 5m or 10m rolls (R), total thickness 15mm
dBXFL/8* (R or S)	dBX Flexilagg, 12mm acoustic foam, 8kg/m ² dBX noise barrier, Bonded Foil facing, 1400mm x 2300mm sheet (S), or 1400mm x 5m rolls (R), total thickness 16mm

* available only on indent



TECHNICAL INFORMATION

Acoustic results	Transmission Loss Test	R_w 27 @ 5kg/m ² R_w 30 @ 8kg/m ²	System Test	R_w 45 @ 5kg/m ²	Free Hanging Test	R_w 28 @ 5kg/m ² R_w 32 @ 5kg/m ²
Fire testing - foil facing		AS 1530 Part 3 ~ 0.0.0.0				
Operating Temperature		max. 70° C (at bond line)				

FACING PROPERTIES

Facing	Thickness	Tensile Strength	AS1530	Bursting Strength	Water Vapour Transmission Rate
BF - Bonded foil	120 micron	4.5 KN/m max 3.9 KN/m min	Pass 4 zero	43 N max 34 N min	0.33 gm/m ² /day