

Advantages

- Excellent sound attenuation.
- Highly effective thermal insulation.
- Easy to handle and install.
- Excellent fire resistance & temperature stability.
- Flexible and durable.
- Maintains thickness at corners, bends and fixing locations.

Applications

Wilhams WIL-LAG Technorap2 is designed to provide a high standard of acoustic attenuation to ducts, pipes and enclosures. For optimum acoustic performance, the isolation of the mass layer from the underlying surface is critical. WIL-LAG Technorap2, with its lamella construction, eliminating any flattening of the insulation on curves or corners. It is therefore ideal for pipe work or similar curved surfaces maintaining a high strength consistent thickness throughout its cross-section.

Description

Wilhams WIL-LAG Technorap2 is a flexible material manufactured from mineral fibre strips (lamellas) bonded to form a lamella mat. The four part laminate, incorporates a Class 'O' reinforced foil backed lamella matt spaced layer, a heavy polymeric mass barrier and an outer reinforced foil vapour barrier meeting the UK Class 'O' Building Regulations.

Technical Information

Wilhams WIL-LAG Technorap2 conforms to the following specifications:

- Service temperature -30 to +230°C
- Chemical resistance Oils, water, most solvents
- Fire resistance Class O Building Regulations B2/3/4 App A, foil faced.
- Thermal Conductivity 0.039 W/m²K (at 10°C) (BS4745:1990)

Physical Information

Dimensions

Standard sheet size: 2m x 1m or 1m x 1m

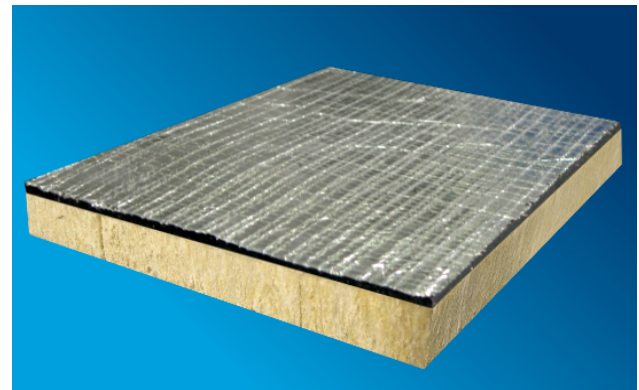
Standard thickness: 25mm or 50mm

Other sizes are available upon request.

Grades

Wilhams WIL-LAG Technorap 2 is available in two grades to suit different performance requirements:

Grade	Polymeric Barrier
Technorap2 / 5	5 kg/m ²
Technorap 2 / 10	10 kg/m ²



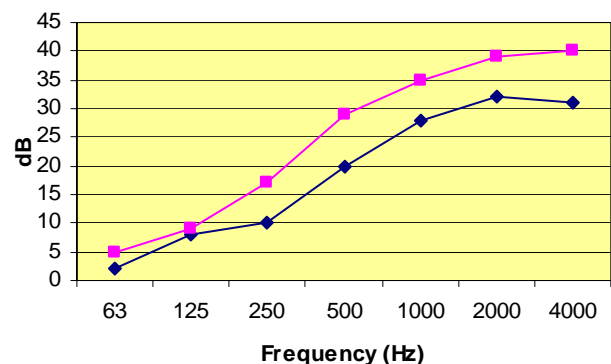
Acoustic Performance

Acoustic duct lagging is a complex subject with the size, shape, thickness and configuration of the ductwork all having a significant effect on the system performance. The data shown above and below is based on a 6m length of 1000 x 600mm ductwork. To represent the actual improvement of employing WIL-LAG Technorap2, the noise reduction effect of the untreated duct work is excluded from this data.

Wilhams WIL-LAG Technorap2 is a high performance material that has the following acoustic properties:

Sound Reduction Index

Material \ Frequency	63	125	250	500	1k	2k	4k
Technorap2 Single layer	2	8	10	20	28	32	31
Technorap2 Double layer	5	9	17	29	35	39	40



Installation Guidelines

For full installation instructions, please contact our technical department.

Wilhams Insulation Group

117 Bohemia Road, St Leonards-On-Sea, East Sussex TN37 6RL United Kingdom

Export Sales:- Tel: +44 (0) 1424 717171 Fax: +44 (0) 1424 20100 Email: sales@wilhams-insulation.co.uk

© Copyright 2005 Wilhams Insulation Limited.

IMPORTANT NOTICE: Any directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product to be used is suitable for that purpose intended.