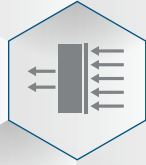




C&I
INSULATION

FLEXICELL[®]



Noise Barrier Composite

FLEXI**WRAP**

Acoustic Insulation

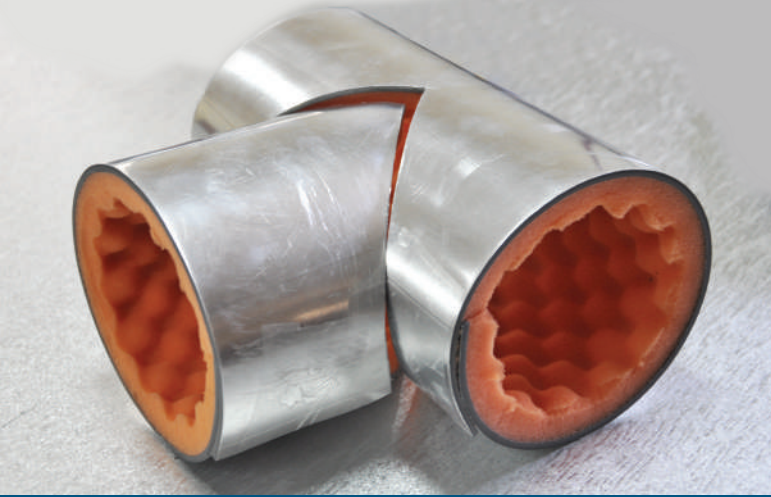


SOUNDPROOFING SOLUTIONS

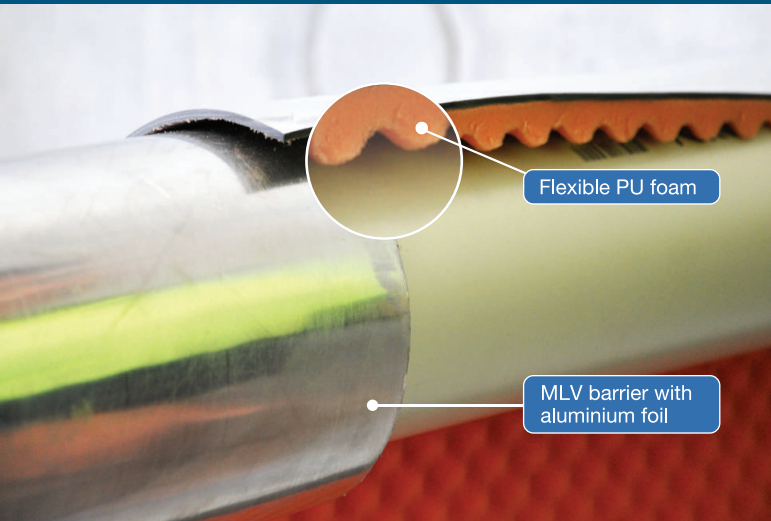


Fraunhofer

www.flexicell.com.au



FlexiWrap is a high-performance acoustic barrier, comprised of convoluted polyurethane open cell foam that is bonded to a flexible mass loaded vinyl (MLV) and covered with a foil surface made from aluminum. The material composition offers low VOC emission and high fire resistance properties as well as durability to ensure longevity of performance.



FlexiWrap is primarily used to insulate piping or equipment in both commercial and residential buildings. The product has been specifically engineered to reduce unwanted noise, in order to improve acoustic comfort in a variety of applications, by absorbing and deflecting sound vibration.



The flexibility of the material allows it to wrap effectively around external pipe and duct surfaces, to reduce or eliminate the sound waves that would otherwise travel throughout and around these systems. FlexiWrap is also effective as a sound barrier for industrial equipment including fans, motors, pumps and compressors and is available in a variety of sheet sizes, as well as pre-manufactured shapes and bends, to fit a variety of unique shapes and sizes.



FlexiWrap can easily be cut to any shape or size required, and a wide range of weights and thicknesses are available to suit your specific noise reduction requirements. For optimal performance, FlexiCell® Tape is the simple and recommended choice for joining and securing FlexiWrap, in any application.

PRODUCT FEATURES

- 10 Year Manufacturer's Warranty
- ISO 9001 Quality Control Standard
- ISO 14001 Environmental Standard
- ISO 45001 Occupational Health & Safety
- Wide range of MLV weight options: 5/8/10 kg/m² (tol. ±10%)
- Pre-made shapes & bends available
- Matching FlexiCell® AL / ALR tapes available

PRODUCT BENEFITS

- Superior noise reduction properties
- Highly flexible to suit a variety of applications
- Quick & easy to install
- Durable construction for longevity of performance
- Low VOC emissions

PRODUCT APPLICATIONS

- Water, sewerage & drainage pipes
- Industrial pipes, machinery & equipment
- HVAC ducting
- Motors, compressors & pumps
- Commercial & residential buildings
- Automotive & marine

PROPERTIES

Acoustic Performance: Use of a specially engineered flexible acoustic barrier provides excellent reduction in noise transmission. Designed to be used in multiple applications.

Durability: An aluminium foil barrier provides excellent protection to the product once installed.

Flexibility: Use of a very flexible foam, combined with an acoustic barrier. Ease of installation in a variety of applications.



Fire Safe



Sound Barrier & Noise Control



Clean & Hygienic Products



Environment Friendly Products



Cost Saving

FLEXIWRAP

TECHNICAL DATA

Properties	Value/ Assessment	Tested to:
Sound Transmission Class (STC)	30 dB	ASTM E413-16
Sound reduction index R_w	(C;Ctr) = 30 dB (-1;-4) dB	EN ISO 10140-2
Sound reduction (wastewater system)	12-17 dB	DIN EN 14366
Fire properties	Ignitability : 0 Flame propagation : 0 Heat release : 0 Smoke release : 1	AS/NZS 1530.3
	Class O	BS476 Part 6 & Part 7
Color	Silver/ Orange	
Thermal conductivity at 23 °C	0.042 W/m·K	ASTM C518
Thermal volatile organic compound emission rate	<0.5mg/m ² /hr	ASTM D5116
Operating temperature range (°C)	-40 °C to +100 °C	Continuous
Odour	Free from odour	ASTM C1304
Size	W: 1350 mm (±20 mm) L: 2.5 m, 3 m & 5 m (±50 mm)	
Standard weights	5 kg/m ² , 8 kg/m ² (±10%)	
Thickness	20 mm ±3 mm	

Note: Product doesn't contain any fibres, asbestos, mercury or lead.

Product	Test Method	Report	Results
FlexiWrap	Insertion loss (Single layer)	6341-1.1R	21.9 dB
FlexiWrap	Insertion loss (Double layer)	6341-1.1R	26.6 dB
FlexiWrap	AAAC Rating	6341-1.1R	6 Star Rating
FlexiWrap	BCA Compliance Section F5.6 - Habitable room	6341-1.1R	Compliant (with 13mm thick standard plasterboard, R1.5 (75 mm) Insulation)

This information, presented by Hira Industries, is accurate to the best of our knowledge at the time of publication. All product data is based on average values and should be used as a general guide only. Due to the unique nature of specific applications, results may vary according to individual circumstances beyond the manufacturers control. As our products are subject to constant research and development, Hira Industries reserves the right to amend, modify and/or update the content of this publication at any time, without prior notice. Visit flexicell.com.au for more information, technical specifications, installation guidelines and product warranty terms and conditions.

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