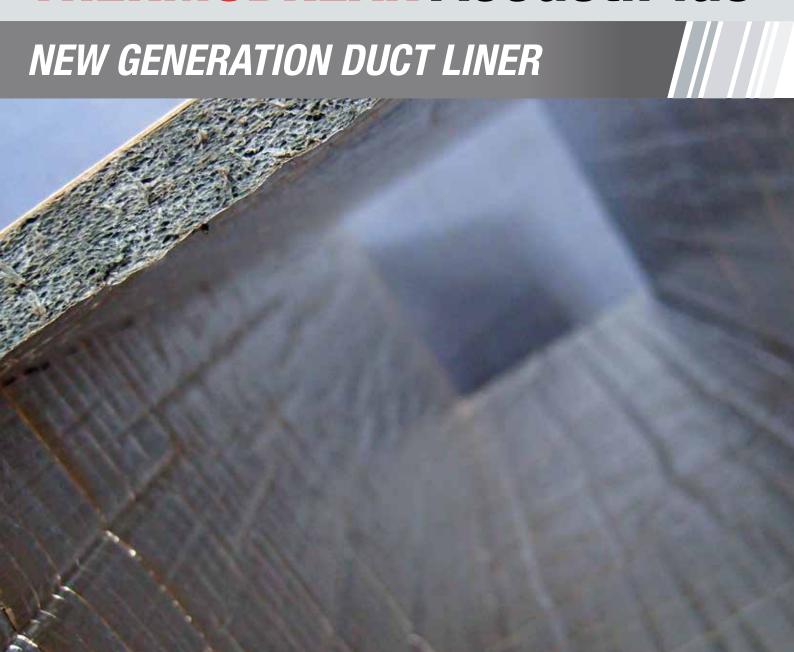
# THERMOBREAK AcoustiPlus



Thermobreak® AcoustiPlus is a new generation open cell physically crosslinked polyolefin foam designed for duct lining.

- Excellent acoustic absorption at low thickness
- Meets the fire hazard requirements of AS 4524
- Anti-microbial to ASTM G21







# THERMOBREAK AcoustiPlus

## NEW GENERATION DUCT LINER



#### **Product Features**

- Thermobreak® AcoustiPlus is specially designed for the acoustic lining of air ducts
- Excellent acoustic absorption at low thickness
- BS 476 Class 0 fire rated
- Meets the fire hazard properties of AS4524
- Both Anti-Microbial and Low VOC for improved Indoor Air Quality
- Fibre free, PVC-free, contains no added biocides
- Extremely lightweight, durable and erosion resistant
- Available with factory applied adhesive
- Supported by AcoustiCalc<sup>™</sup> software for insertion loss calculations.

### **Technical Data**

Density:	25kg/m³ (foam core only)
Noise Reduction Coefficient: (ISO 354)	0.40 (15mm foam thickness)
Thermal Conductivity: (ASTM C518)	0.036 W/m/°K (@ 23°C mean temperature)
Resistance to Fungi: (ASTM G21)	Zero Growth
Ozone Resistance:	Excellent
UV Resistance:	Excellent
Operating Temperature:	-80° C ~ + 100° C (no adhesive)

### Fire & Smoke Behaviour

BS476 Parts 6 & 7	CLASS 0	
AS1530 Part 3	Ignitability Index:	0
	Spread of Flame Index:	0
	Heat Evolved Index:	0
	Smoke Developed Index:	0-1

### **Size Availability**

• 15 mm : rolls and sheets 24 mm: rolls and sheets

54 mm: sheets

Other thickness available on request

	1.00	Acoustiplus 24mm
		Acoustiplus 54mm
ficien	0.80	
ð		
phion	0.60	
people		

Thermobreak AcoustiPlus Sound Absorption Coefficients

E 0.80		1	1		
sorption C				V>	~
Sound Ab	1	1		-	1
0.20					
0.00	70	500	1000	2000	4000

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Typical dB reduction (3m Lining)					
Duct size	300mm x 300 mm	450mm x 450mm			
Grade	Loss insertion (dB A)				
15-mm AcoustiPlus	9.6	7.8			
24-mm AcoustiPlus	11.4	8.8			
54-mm AcoustiPlus	tba	14.7			

Calculations based on FESI and ASHRAE data.











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