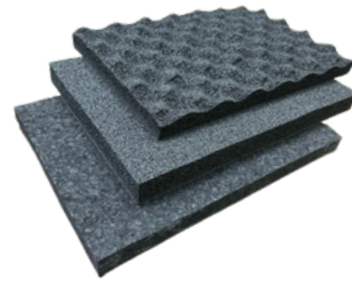


SOUND INSULATION

ACOUSTEC

ACOUSTEC is designed for sound absorption and vibration dampening. Its complex open-cell structure is excellent for blocking sound frequencies, controlling noise across a broad range without unhealthy fibers.



Acoustec Lite EX
Acoustec Lite
Acoustec Pro

Values		Test Methods							
Material	Open Cell Elastomeric Foam								
Base Colour	Black								
Service Temperature	-50°C to 105°C								
Fire Classification	Class 1 Class O FM Approved	BS476 part 7 BS476 part 6 FM4924							
	Acoustec Lite / Acoustec Lite EX	Acoustec Pro							
Density	50 kg/m ³ -100 kg/m ³	240 kg/m ³ -360 kg/m ³ (± 60 kg/m ³)							
Thermal Conductivity	Mean Temp	0°C	20°C	40°C	Mean Temp	0°C	20°C	40°C	ASTM C518 ASTM C177
	W/m·K	≤ 0.039	≤ 0.041	≤ 0.043	W/m·K	≤ 0.051	≤ 0.053	≤ 0.055	
Acoustic Performance based on 1" (25mm) thickness	1/3 Octave Frequency		Sound Absorption Coefficient α		1/3 Octave Frequency		Sound Absorption Coefficient α		ASTM C423
	125 Hz		0.06		250 Hz		0.30		
	250 Hz		0.16		630 Hz		1.01		
	500 Hz		0.67		800 Hz		0.94		
	1000 Hz		0.58		1250 Hz		0.84		
	2000 Hz		0.69		2500 Hz		0.83		
	4000 Hz		0.62		5000 Hz		0.87		
NRC		0.55		NRC		0.75			
Tensile Elongation	≥ 200kpa 180% ± 20%				≥ 100kpa 70% ± 20%				ASTM D3574
Tear Resistance	700 N/m ± 150 N/m								
Ducting Erosion Resistance	> 8125 fpm								ASTM C1071
Environment	No fungal growth No mold growth Dust and Fibre Free CFC Free Low Volatile Organic Compounds (VOCs)								ASTM G21 ASTM E2180 UL2821

SIZE & PACKING QUANTITIES

Acoustec Lite / Acoustec Lite EX			
Thickness		Size	Pcs per
Inches	mm	Metres	Carton
3/8"	9	1.22 x 0.91	26
1/2"	13	1.22 x 0.91	20
5/8"	16	1.22 x 0.91	16
3/4"	19	1.22 x 0.91	14
1"	25	1.22 x 0.91	10
1 1/4"	32	1.22 x 0.91	8
1 1/2"	38	1.22 x 0.91	7
2"	51	1.22 x 0.91	5

Acoustec Pro			
Thickness		Size	Pcs per
Inches	mm	Metres	Carton
3/8"	9	1.00 x 0.95	20
1/2"	13	1.00 x 0.95	15
5/8"	16	1.00 x 0.95	12
3/4"	19	1.00 x 0.95	10
1"	25	1.00 x 0.95	8
1 1/4"	32	1.00 x 0.95	6
1 1/2"	38	1.00 x 0.95	5