



Specification Sheet

Genesis Flame Retardant Acoustic Foam

Genesis Acoustic Foam is open-celled. It attenuates airborne sound waves by increasing air resistance, thus reducing the amplitude of the waves. The energy is dissipated as heat. The sound waves are forced to travel through multiple foam cell air pockets and their cell walls, as sound travels through the foam.

The uneven cone / waffle profile of our foam, increases the available surface area for absorption by about 400% over a flat area of the same dimensions. These profiles also serve to diffuse sound energy, regardless of the angle of the sound wave striking the surface.

Thickness:	Size:	Coverage:	Profile:
30mm	470 x 470mm	4.5 Tiles = 1m ²	Flat
60mm	470 x 470mm	4.5 Tiles = 1m ²	Flat
60-70mm	470 x 470mm	4.5 Tiles = 1m ²	Waffle

Specifications

- All tiles come standard with a bevelled edge.
- Flame retardant is inherent in the foam.
- Colours available: Grey & Black Sparkle.

Application:

30mm Thick: Homes, offices, classrooms, restaurants, libraries, etc.

60mm Thick: Recording studios, band practise rooms, live music venues, industrial applications etc.



Waffle Profile - Grey



Flat Profile - Black Sparkle



Impedance Tube Measurement of Sound Absorption Coefficients

No airspace was left behind the samples used for the tests.

**Estimate based on tests done on the 60mm thick flat profile.*

Sound Absorption Coefficient - 60mm Thick, Flat/ *Waffle Profile			
250hz	500hz	1000hz	2000hz
0.26	0.84	0.92	0.9

Sound Absorption Coefficient - 30mm Thick, Flat Profile			
250hz	500hz	1000hz	2000hz
0.08	0.21	0.54	0.94

Genesis contact adhesive

- Water based, spray grade, non-flammable and virtually odourless.
- Available in 1, 5 or 25 litre tubs.
- Coverage is 1 litre to $\pm 6-7\text{m}^2$ (Light application with a spray gun)
- The adhesive should be sprayed onto both surfaces with a gravity feed spray gun & compressor.
- The foam can be cut with a sharp craft knife (with extendable blades).

Lead Time & Delivery

- Fitting: By quotation, subject to a site inspection.
- Lead time for manufacture: ± 10 working days from date of order (quantity dependant).
- Minimum order quantity: 4m^2