EnviroSound

EnviroSound is a closed cell polyethylene foam which, during the manufacturing process, has cells that are subsequently opened. This process results in giving the foam excellent sound absorption properties. The material also has the added benefit of being water resistant and so no additional films are required to obtain a moisture barrier which means its acoustic properties do not diminish when moisture is present. It also exhibits excellent fire resistance properties. Due to its excellent thermal and acoustic properties it has countless applications including acoustic wall and ceiling panels and where contact with water is likely.

Key Features and Benefits

- Excellent fire performance and thermal properties
- Absorb high levels of reflected noise
- Water resistant with a washable surface
- Lightweight
- Fibre free
- Recyclable

EnviroSound

Applications

- Acoustic Wall panels
- Acoustic ceiling panels
- Louvres and baffles
- Outdoor fencing acoustic projects
- HVAC equipment
- Railway and automotive applications

Colour and Finish

FR – White and Charcoal Grey

UV - Black

DB - Grey

Operating Temperature

Suitable for use at normal building temperatures.

Availability

EnviroSound is available plain, or with a wide range of facings.

Dimensions and Weight

Product	Thickness mm	Panel Length mm	Panel Width mm	Panel Weight kg/m3
FR	20, 30, 40 & 50	2400	1200	23
UV	20, 30, 40 & 50	2400	1200	23
DB	20, 40 & 50	2400	1000	23

Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient (BS EN ISO 354)						* Absorber Class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
FR	40	0.06	0.51	0.99	1.08	1.05	0.91	A
	50	0.16	0.69	0.99	1.09	1.09	0.91	A
DB	50	0.06	0.68	0.97	1.09	1.09	0.81	A

* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Thermal Conductivity

0.104 W/mK @ 23°C

Fire Performance

Class B-s2-d0 against BS EN 13501-1.

Passes FMVSS 302

HF 1 for UL94

EnviroSound has been tested against many other standards please **contact us** for further information.

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