



SOUNDSEAL

A glass cloth covered Polyurethane foam for acoustic applications.

APPLICATIONS

- **Transportation:** Absorption of vibration and noise for engines in buses, trains, trucks, boats, ships (complies to European Recreational Craft Directive 2003/44/EC) and aircraft.
- **Industrial:** Treating noise pollution of industrial machinery and equipment, manufacturing plants, air-conditioning and ventilation units etc.
- **Architectural:** Sound absorption for offices, conference rooms, auditoriums, theaters, cinemas, lecture rooms, libraries and sports arenas.
- **Audio:** Impact sound control and sound absorption for recording studios, broadcasting studios and control rooms.
- **Residential:** Soundproofing homes, apartments, home studios, home entertainment centres and household appliances.

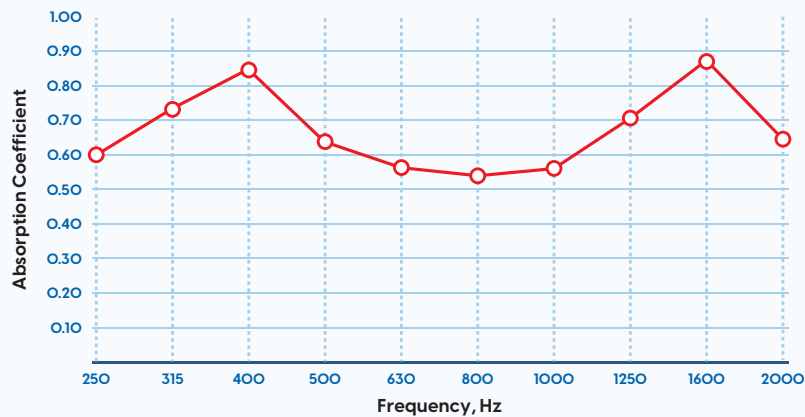
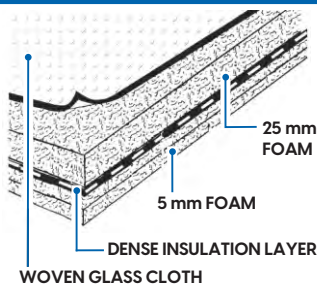
ADVANTAGES

- Soundseal is **ECB certified**.
- Soundseal has excellent sound absorption properties.
- Can be used on curved or flat surfaces and is easily converted for irregular shapes.
- The material is safe and fire resistant.

PHYSICAL PROPERTIES/TECHNICAL DATA

- **Coating:** A woven fibreglass cloth acting as a porous outer skin, which is dust and dirt resistant and easily cleanable. It also acts as a UV barrier to the foam. The open construction does not inhibit the acoustic properties.
- **Foam:** A 25mm layer of Ester-based Polyurethane foam which is flame retardant. The density is 30 kg/m³ and complies with FMVSS302, UL94 and ISO 3582 standards.
- **PVC Foam:** A 2.8mm layer of densely loaded PVC foam which has excellent resistance to sound waves. Has been tested to ISO R140 and complies with FMVSS302.
- **Foam:** A 5mm layer of Ester-based Polyurethane foam which is flame retardant. The density is 30 kg/m³ and complies with FMVSS302, UL94, and ISO 3582 standards.
- **Soundseal:** Complies with the oxygen index requirements mentioned in the ISO 9094-1 Small craft - Fire protection craft with a hull length up to and including 15m and ISO 9094-2 Small craft - Fire protection craft with a hull length above 24m.

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These tests were performed by the Central Acoustics Laboratory, University of Cape Town. April 2002.

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PERFORMANCE FOAMS



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