

Tecsound T50 Technical Specification

PROPERTIES

Density	:	5kg/m ² +/- 5%
Thickness	:	2.6mm +/- 5%
Sheet Size	:	6m x 1.2m rolls
Flexibility	:	Does not break at -20°C
Crush strength	:	4.84kg/cm ²
Fire resistance	:	Euroclass B, s2, d0 (Class0 to UK equivalent)
Operating Temp.	:	70°C (short term 100°C)
Melting Point	:	140°C
Acoustic performance	:	Rw 25.2dB (When hung as a curtain)

Fire Performance

Euroclass B, s2, d0 in accordance with UNE-EN 13823:2002 and UNE-EN-ISO 11925-2:2002. (which is considered superior to the old British Standard Class 0 rating)

- **B - Contribution to combustion is very limited. Demonstrated that the fire is not propagated beyond the strict area in which it has been applied.**
- **S2 - Average amount and speed of emission of smoke.**
- **D0 - No flammable drops or particles produced.**

This classification places the Tecsound range as the preferred alternative to all other sound barrier mats in terms of fire resistance. It is the first soundproofing membrane available to receive Euroclass Certification. Euroclass

Standards above B (A1 and A2) is only awarded to completely non-flammable materials. Materials between Euroclass A and B can be considered the safest in case of fire, whilst those of level C will become more flammable.

All fire testing of the product was carried out on the product alone and not with it bonded to any form of backing such as plasterboard giving a true picture of its fire resisting performance.



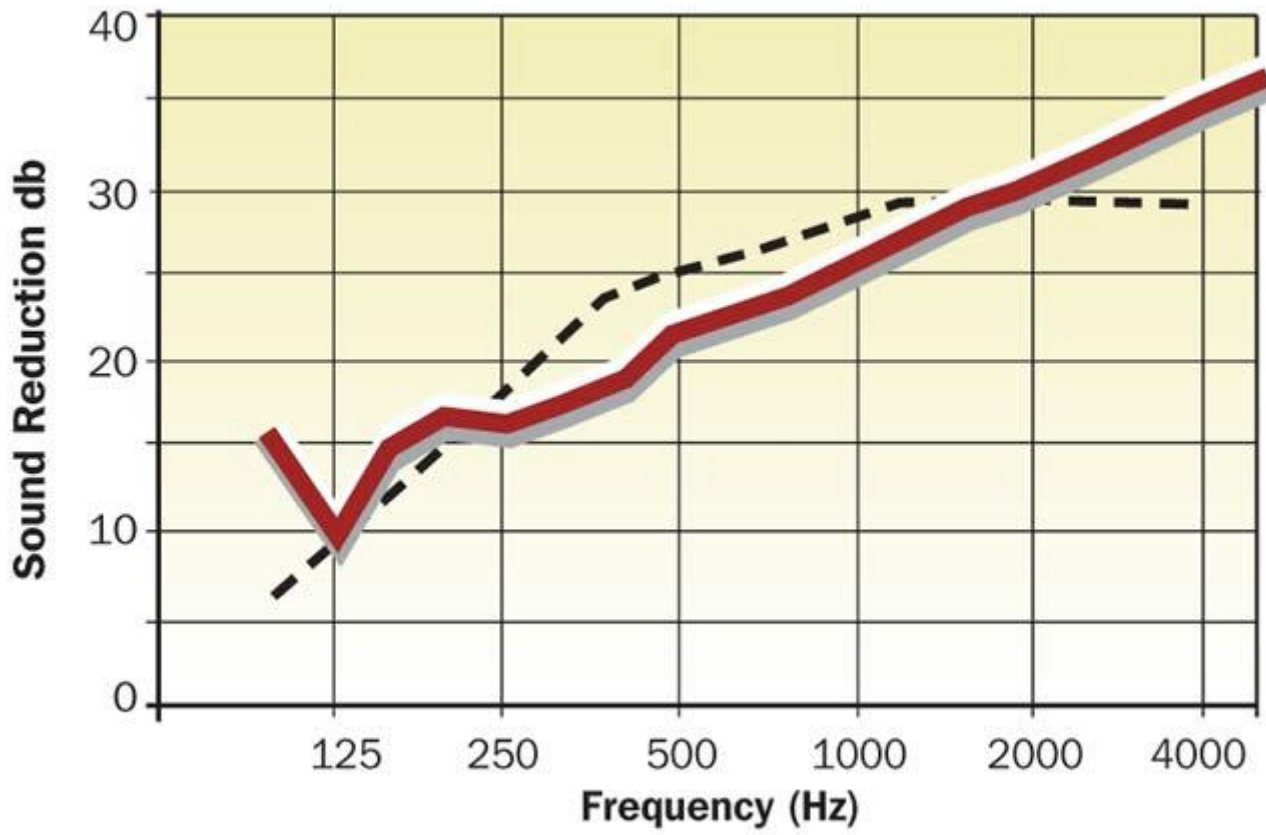
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Acoustic Performance



Weighted Sound Reduction Index $R_w = 25.2$