

Technical Data Sheet

High-density mineral-loaded acoustic barrier for industrial, oil & gas and building applications.

SilenceCORE Acoustic Barrier is a high-performance, dense mineral-loaded vinyl (MLV) sound barrier engineered for effective airborne noise reduction across a wide range of applications.

Manufactured using approximately 30–40% recycled raw materials, SilenceCORE provides a sustainable and cost-effective mass layer solution without compromising acoustic performance.

Designed with enhanced oil resistance properties, SilenceCORE is particularly well-suited for acoustic pipe wrap systems within the oil & gas and LNG sectors, as well as general industrial and commercial soundproofing applications.

Test Description	Value		Result
Reaction to Fire	Pass	Minimum	FMVSS 302
Strain at break (%)	≥ 40	Minimum	ISO 37:2011 (E)
Stress at peak (MPa)	≥ 1.3	Minimum	ISO 37:2011 (E)
Durometer hardness (Shore A)	95	Typical	Internal
Static Operating Temp. Range	20°C to +95°C	-	Internal
Oil Resistance (2 hours, 80 oC)	Diesel shrinkage < 3 %	-	Internal
Colour	Black / Grey	Typical	Visual

Available nominal weights: 2–12 kg/m²

Product	Nominal weight (kg/m ²)	Thickness (mm) +/- 10%	Sound Reduction (RW)(dB)
Barrier 2.5kg	2.5kg	1.25mm	20dB
Barrier 5kg	5kg	2.5mm	26dB
Barrier 7.5kg	7.5kg	3.75mm	29dB
Barrier 10kg	10kg	5mm	32dB