

Technical Data Sheet

Product Name SilenceLag S100 FF SGQ

Product Description: Silence Lag S FF SGQ is a UK building regulations Class 0 foil faced dense flexible sound barrier mat based on a formulation comprising EPR and thermoplastic polymers filled with naturally occurring minerals. The acoustic barrier is affixed to fibreglass quilt with a polyester non-woven scrim. The product is free of lead, unrefined aromatic oils and bitumen.

Construction: Class 0 aluminium foil / acoustic barrier / fibreglass quilt

Application: Designed to improve the sound insulation and absorption of existing panels of metal, wood, plastic etc., at all frequencies. The mat is normally fixed in intimate contact with the original panel. The material is particularly soft and flexible to give excellent conformability to existing structures and effective noise insulation of pipes, ductwork and similar assemblies.

Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	570	Kg/m ³	+/- 10%	DIN EN 1602
Reaction to Fire	Class 0	-	-	BS 476 Part's 6&7
Nominal Weight	10.54	Kg/m ²	+/- 10%	-
Nominal Thickness	18.5	mm	+/- 20%	-
Static Operating Temp Range	-20 – 93 (short exposure at extremes)	°C	-	Internal
Colour	Silver/yellow (front/back)	-	-	-

Fibreglass Data

Temperature (°C)	0	10	50	100	150	200	DIN EN 12667
Thermal Conductivity W/mK	0.033	0.034	0.042	0.053	0.065	0.079	

Acoustic Data

Data from BS EN ISO 10140-2:2010	
Hz	Silence Lag S100 FF SGQ
63	17.8
125	17.6
250	22.1
500	43.6
1000	54.3
2000	58.3
4000	62.8
Barrier (kg/m ²)	10.00
Fibreglass (kg/m ²)	0.45
Foil (kg/m ²)	0.09
Total Mass (kg/m ²)	10.54
R _w (dB)	38
Average SRI	40

