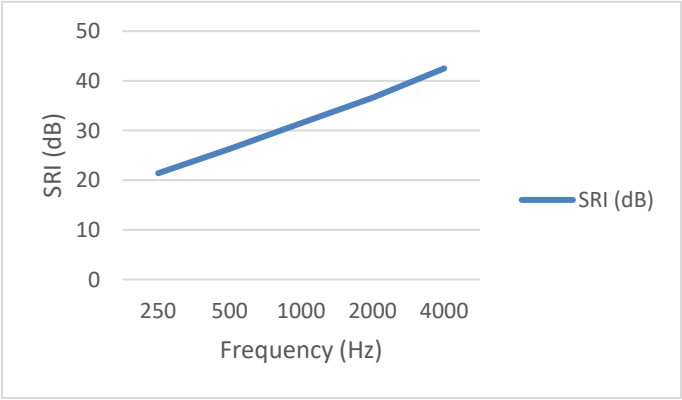
Sonalag AF10 { Acoustic Pipe Lagging

A SOUND REDUCTION SYSTEMS PRODUCT

Intro:

Sonalag AF10 is a multi-layer laminate of dense mass-loaded vinyl sheet sandwiched between two layers of polyurethane foam and finished with an aluminium foil facing. Sonalag AF10 lends itself to many applications but is most often used to lag large diameter pipes and line machinery enclosures.

Acoustic Performance:



Data Extrapolated from BS EN ISO 10140-2 (Free hanging Curtain)	
Hz	**R**
125	18.3
250	21.4
500	26.3
1000	31.5
2000	36.6
4000	42.5
Rw (dB) @ 1000Hz	32
Average SRI	29

Physical Properties and Accessories:

Sonalag AF10	SIZE	THICKNESS	WEIGHT
	1200 x 1200mm	17mm	12kg/m2

Barrier:

Description	Data	Unit	Tolerance	Test Method
Apparent Density	2200	Kg/m^3	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	10.0	Kg/m^2	+/-10%	-
Nominal Thickness	4.55	mm	+20/- 10%	-
Strain at break	30	%	Minimum	ISO 37:2011 (E)
Stress at peak	1.3	N/mm^2	Minimum	ISO 37:2011 (E)
Colour	Black	-	-	-

Foam:

Description	Results
Density (Kg/m^3)	75 – 100
Hardness (N)	120 – 180
Tensile Strength (kPa)	>70
Elongation at Break (%)	>90%
Thermal Conductivity (W/mK)	0.048 – 0.051
Erosion Resistance	6000 ft/min
Working Temperature (oC)	-40 - ~+110
CFC Free	Yes
BS 476 Part 7	Class 1
BS 476 P6 & P7 Building Regulations	Class O

Storage:

Sonalag AF10 should only be stored on site if the building has been sealed and is completely dry.

Cutting:

Sonalag AF10 can be cut and shaped using a sharp trimming knife.

Handling:

Please exercise caution when lifting and installing Sonalag AF10. The HSE can provide information and guidance on the lifting and handling of heavy goods www.hse.gov.uk

Sound Reduction Systems Ltd
Adam Street,
Bolton, BL3 2AP

T: +44 (0)1204 380074
E: info@soundreduction.co.uk
F: +44 (0)1204 380957
www.soundreduction.co.uk