

## Technical Data Sheet

### PRODUCT

CMS Danskin Acoustics SuperLag Pipe Lag is a product consisting of a four part laminate including two acoustic isolation layers or spacers of polyurethane acoustic foam, separated by a heavy mass layer or acoustic grade lead or polymeric barrier with a facing of Class '0' reinforced foil. SuperLag Pipe Lag is available in a range of formats by varying the weight and type of the mass barrier and selecting from three thicknesses of acoustic spacer layers to suit the performance required.



### FEATURES and BENEFITS

- Easy and quick to apply
- Excellent acoustic performance
- Applied as a single dry treatment
- Excellent fire resistance and temperature stability
- Low thermal conductivity and low toxicity

### APPLICATIONS

CMS Danskin Acoustics SuperLag Pipe Lag is a highly efficient acoustic treatment designed for rainwater pipes, pneumatic & hydraulic pipes, and waste water pipes for industrial, commercial & construction applications. Steam pipes can also be treated with SuperLag Pipe Lag providing a suitable thermal insulation is applied as the first layer in direct contact with the pipe face. Being of a foam laminate construction, it is ideal where fibre erosion is not acceptable and where a significant reduction in break-out noise is specified.

### TECHNICAL INFORMATION

#### Acoustic Heavy Mass Sheet Barrier

Surface weight                      5 kg/m<sup>2</sup> or 10 kg/m<sup>2</sup>

#### Composite

Operating Temperature        -30 to 80°C

### PHYSICAL INFORMATION

#### Dimensions

Standard sheet sizes: 1.2m x 1.0m or 2.0m x 1.2m

Cut to size parts are available and supplied complete with laps on both longitudinal and circumferential seams to provide an easy lap for taping.

#### Grades

SuperLag Pipe Lag is available in varying grades and formats to suit different performance requirements:

## PHYSICAL INFORMATION CONTINUED

Grade	Format	Barrier Mass (kg/m <sup>2</sup> )	Depth (mm)
Pipe Lag 5	F12.L5.F6.CO	5 (Lead)	18
Pipe Lag 5	F25.L5.F6.CO	5 (Lead)	32
Pipe Lag 10	F12.L10.F6.CO	10 (Lead)	19
Pipe Lag 10	F25.L10.F6.CO	10 (Lead)	33
Pipe Lag 5	F12.B5.F6.CO	5 (Polymeric)	19
Pipe Lag 5	F25.B5.F6.CO	5 (Polymeric)	33
Pipe Lag 10	F12.B10.F6.CO	10 (Polymeric)	22
Pipe Lag 10	F25.B10.F6.CO	10 (Polymeric)	35

## ACOUSTIC PERFORMANCE

SuperLag Pipe Lag has the following acoustic performance:

### Transmission Loss dB

Material/Frequency	63	125	250	500	1k	2k	4k	8k
Pipe Lag 5 Format L5.P12.CO	17	18	21	26	32	40	43	44
Pipe Lag 5 Format L5.P25.CO	18	21	35	38	48	48	52	47
Pipe Lag 10 Format L10.P12.CO	24	19	24	27	28	41	51	46
Pipe Lag 10 Format L10.P25.CO	22	23	37	39	48	52	59	47
Pipe Lag 5 Format B5.P12.CO	18	15	18	23	28	37	41	41
Pipe Lag 5 Format B5.P25.CO	19	17	32	34	46	48	51	47

### Transmission Loss dB

Material/Frequency	125	250	500	1k	2k	4k
Pipe Lag 5/10 12mm thickness	0.08	0.14	0.22	0.32	0.40	0.53
Pipe Lag 5/10 25mm thickness	0.08	0.20	0.56	0.93	0.84	0.92

## INSTALLATION GUIDELINES

As a general rule, SuperLag Pipe Lag 5 variants give an SRI 22-25dB(A) and SuperLag Pipe Lag 10 variants give an SRI 26-28 dB(A).

Where pipe diameters are small, i.e 50mm and below, it is recommended to use SuperLag Pipe Lag with a lead heavy mass barrier as it is easy to form and apply. For pipe diameters above 100mm, a SuperLag Pipe Lag with a polymeric barrier is also suitable.

Joints are simply taped using a reinforced Class '0' foil tape.