

TECHNICAL DATA SHEET

SUPERLAG PIPE LAG

PRODUCT DESCRIPTION

CMS Danskin Acoustics SuperLag Pipe Lag is a product consisting of a four part laminate including two acoustic isolation layers or spacers of polyurethane non-flammable Class '0' 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.

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/m² or 10 kg/m²

Composite

Operating Temperature -30 to 80°C
(110°C intermittent)

Fire Resistance BS 476-6 & BS 476-7

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:

Grade	Format	Barrier Mass (kg/m ²)	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

Absorption Coefficient (random incidence)

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

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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.

INSTALLATION SERVICE

In addition to supply of this product CMS Danskin Acoustics can provide a listing of competitively-priced approved installers that service anywhere in the UK. Use of this service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting CMS Danskin Acoustics materials correctly.

For further details contact your local CMS Danskin Acoustics.

IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.

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