

## Technical Data Sheet

### PRODUCT

CMS Danskin Acoustics SUPERLAG® Technowrap 2 is a flexible material manufactured from strips (lamella) of mineral fibre bonded together to form a lamella mat. The three/four part laminate, incorporates a Class 0 reinforced foil (optional) backed lamella matt spacer layer, a heavy polymeric mass barrier and an outer reinforced foil vapour barrier. Being of a lamella construction CMS Danskin Acoustics SUPERLAG® Technowrap 2 offers excellent flexibility and strength.

### FEATURES and BENEFITS

- Excellent sound attenuation
- Highly effective thermal insulation
- Flexible and durable
- Maintains thickness at corners, bends and fixing locations

### APPLICATIONS

CMS Danskin Acoustics SUPERLAG® Technowrap 2 is designed to provide a high standard of acoustic attenuation to ducts, pipes and enclosures. For optimum acoustic performance, the isolation of the mass layer from the underlying surface is critical. CMS Danskin Acoustics SUPERLAG® Technowrap 2, with its lamella construction, eliminates any flattening of the insulation on curves or corners. It is therefore ideal for pipe work or similar curved surfaces maintaining a consistent thickness throughout its cross-section.

### TECHNICAL INFORMATION

Acoustic spacer	Lamella mat of mineral fibre. Reinforced Class 0 foil inner facing.
Polymeric barrier	CMS Danskin AcousticsWB acoustic barrier. 5kg/m <sup>2</sup> or 10kg/m <sup>2</sup>
Chemical resistance	Oils, waters, most solvents

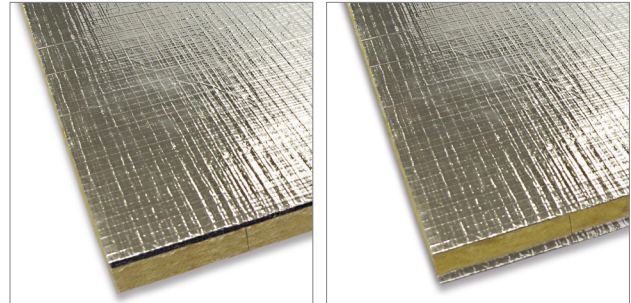
### PHYSICAL INFORMATION

#### Dimensions

Standard sheet size: 2m x 1.2m or 1m x 1.2m  
Standard thickness: 25mm or 50mm  
Other sizes are available upon request.

#### Grades

Grade	Barrier Mass (kg/m <sup>2</sup> )
SUPERLAG® Technowrap 2/5	5
SUPERLAG® Technowrap 2/10	10



### ACOUSTIC PERFORMANCE

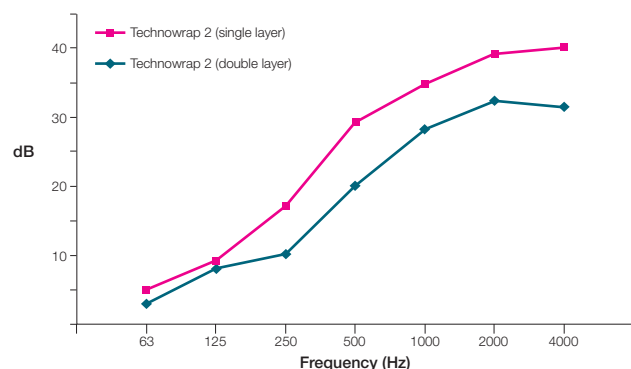
CMS Danskin Acoustics SUPERLAG® Technowrap 2 is a high performance material that has the following acoustic properties:

#### Sound Reduction Index

Material	Frequency						
	63	125	250	500	1k	2k	4k
Technowrap 2 Single layer	0.6	5.3	5.2	7.0	14.6	21.7	28.7
Technowrap 2 Double layer	0.4	4.5	5.1	9.6	17.9	24.2	30.3

Acoustic duct lagging is a complex subject with the size, shape, thickness and configuration of the ductwork all having a significant effect on the system performance. Similar tests carried out on ducting will generally produce similar or slightly lower levels of performance.

The data shown above and below is based on a 6m length of 1000 x 600mm ductwork. To represent the actual improvement of employing CMS Danskin Acoustics SUPERLAG® Technowrap 2, the noise reduction effect of the untreated ductwork is excluded from this data.



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