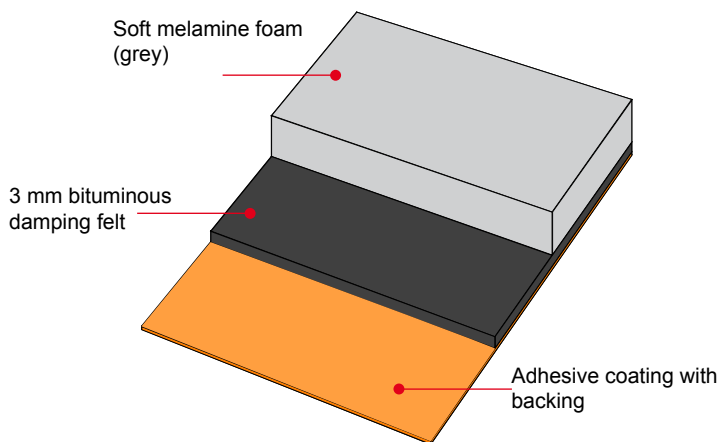


Cross Section



Close-up



Applications

Soundproofing and damping of sheet metal structures, such as:

- Machinery jacketing
- Motor vehicles
- Ductwork
- Heat exchanger housings
- Computer housings

Attributes

Dinaphon® M 4811 is ideal for the damping of thin walled sheet metal housings. It also features excellent sound absorption characteristics due to its melamine foam layer.

Application

Substrates must be dry, oil-free and dust-free when the panels are stuck to the surface. Full surface contact is necessary as is a temperature of at least 18° C for the installation to achieve satisfactory results.

Remove the protective backing and firmly press the panel on to the desired surface, avoiding air pockets. **Dinaphon® M 4811** panels easily cut to size with a sharp knife.

Storage

Good for 6 months if stored in a dry area at temperatures ranging between 15 - 25° C.

Technical Data

Product Data	Dinaphon® M 4811
Weight	approx. 5.2 - 5.5 kg/m ²
Adhesive strength at 23° C, 22 hours	> 5 N/cm ²
Thermal stability:	
Foam	- 60 to + 150 °C
Damping felt	- 10 to + 80 °C
Rated thermal conductivity λ (W/m ² K):	
Foam	< 0.035 W/m ² K
Damping felt	0.52 W/m ² K
Combustibility:	
Melamine foam	BKZ (Swiss fire code rating) 5.3DIN 4102 B1
Damping felt as per MVSS 302	< 75 mm

Packaging Unit and Form

Panel size: 1200 x 1000 mm
Panel thickness: 13, 23, 33, 43 mm

Product variant designations:

M 4811/13, M 4811/23, M 4811/33, M 4811/43

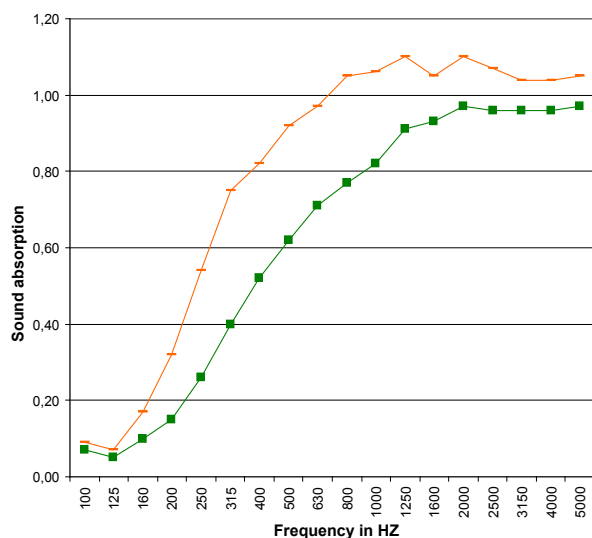
Cut to order panels:

Keller will be glad to cut panels to specific size requirements indicated in customer plans or drawing files for both small and large orders. Ask for a price quote.

Sound Absorption

Results obtained using the reverberant field testing method:

	30 mm	50 mm
	—■—	—□—
100 Hz	0.07	0.09
125 Hz	0.05	0.07
160 Hz	0.10	0.17
200 Hz	0.15	0.32
250 Hz	0.26	0.54
315 Hz	0.40	0.75
400 Hz	0.52	0.82
500 Hz	0.62	0.92
630 Hz	0.71	0.97
800 Hz	0.77	1.05
1000 Hz	0.82	1.06
1250 Hz	0.91	1.10
1600 Hz	0.93	1.05
2000 Hz	0.97	1.10
2500 Hz	0.96	1.07
3150 Hz	0.96	1.04
4000 Hz	0.96	1.04
5000 Hz	0.97	1.05



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