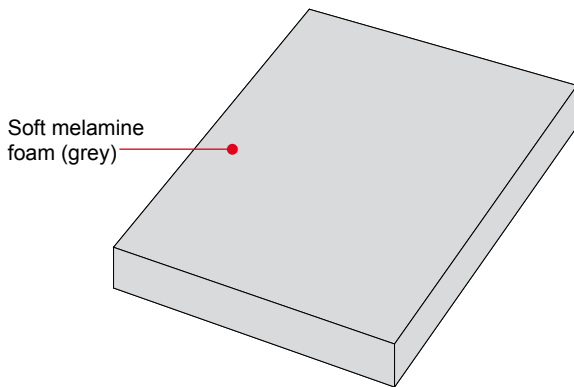


Cross Section



Close-up



Applications

- Ductwork
- Machinery jacketing
- Motor vehicles
- Acoustics

Attributes

Dinaphon® B 810 absorption panels have excellent absorption properties and are highly resistant to many chemical substances.

Melamine foam has different sized pores with a maximum of 10 pores of 5 - 15 mm diameter per square metre. Dimensional deviation of up to 1.5 % in the length and width may occur and is acceptable.

Application

Dinaphon® B 810 panels easily cut to size with a sharp knife.

Storage

Store in a dry area at temperatures ranging between 15 - 25° C.

Technical Data

Product Data	Dinaphon® B 810
Bulk density of foam	8.5 – 11.5 kg/m ³
Thermal stability:	
Foam	- 60 to + 150 °C
Fire ratings as per DIN 5510Section 2	S4. SR2. ST2
Building material rating of foam as per DIN 4102 2	B1
BKZ (Swiss fire code rating)	5.3
Rated thermal conductivity λ (W/m ² K)	0.035

Packaging Unit and Form

Panel size: 1200 x 600 mm

Panel thickness: 10, 20, 30, 40, 50 mm

Product variant designations:

B 810/10, B 810/20, B 810/30, B 810/40, B 810/50

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.

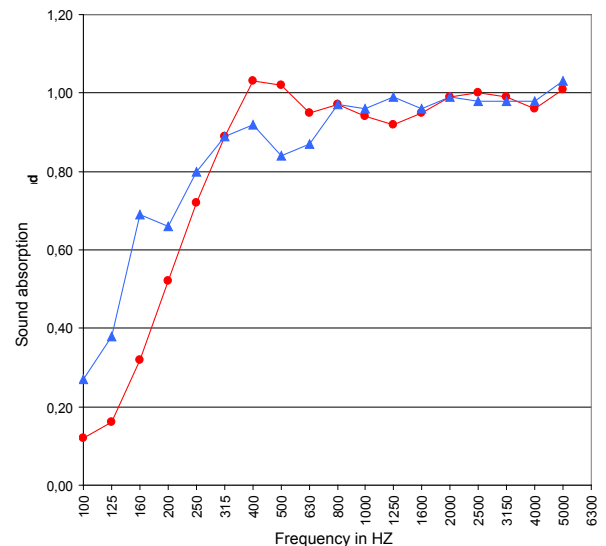
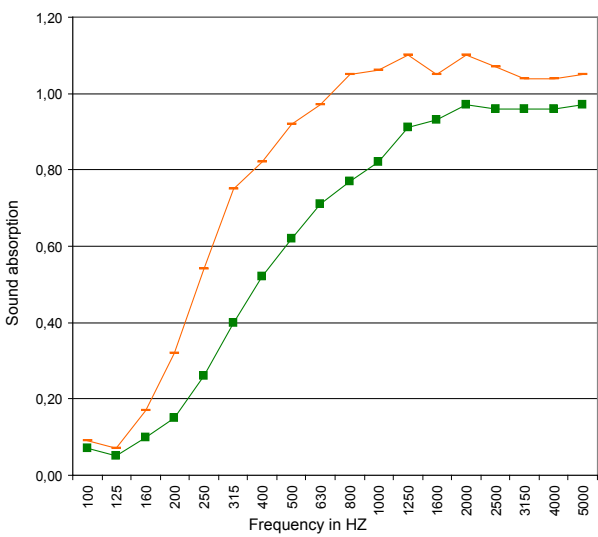
Sound Absorption

Dinaphon® B 810 installed directly on the floor.
Results obtained using the reverberant field testing method for:

	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

Dinaphon® B 810/50 installed in suspended frame.
Results obtained using the reverberant field testing method:

Distance from ceiling	100 mm	300 mm
	—●—	—▲—
100 Hz	0.12	0.27
125 Hz	0.16	0.38
160 Hz	0.32	0.69
200 Hz	0.52	0.66
250 Hz	0.72	0.80
315 Hz	0.89	0.89
400 Hz	1.03	0.92
500 Hz	1.02	0.84
630 Hz	0.95	0.87
800 Hz	0.97	0.97
1000 Hz	0.94	0.96
1250 Hz	0.92	0.99
1600 Hz	0.95	0.96
2000 Hz	0.99	0.99
2500 Hz	1.00	0.98
3150 Hz	0.99	0.98
4000 Hz	0.96	0.98
5000 Hz	1.01	1.03



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