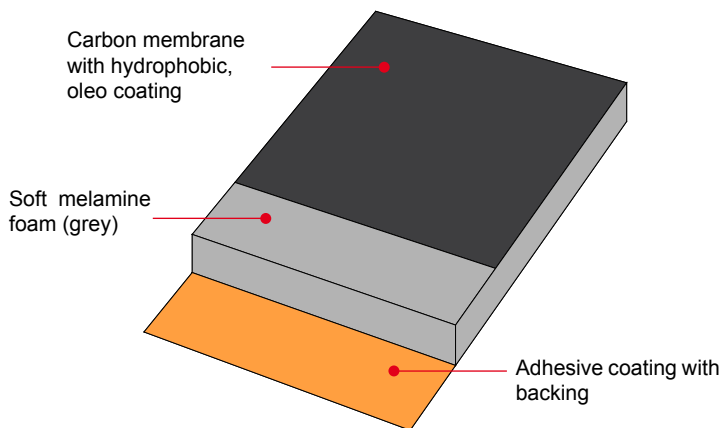
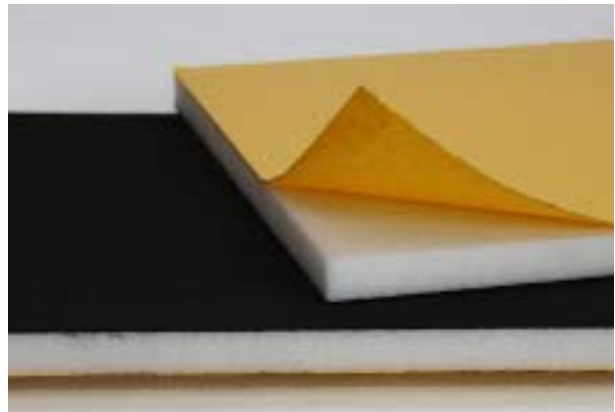


Cross Section



Close-up



Applications

- Machinery jacketing
- Motor vehicles

Attributes

Dinaphon® B 891 has excellent sound absorbing and thermal insulation properties.

Application

Substrates must be dry, oil-free and dust-free when the sheets 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 sheet on to the desired surface, avoiding air pockets.

Dinaphon® B 891 easily cuts 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® B 891
Bulk density of foam	8.5 – 11.5 kg/m³
Thermal stability:	
Foam	- 60 to + 150 °C
Adhesive	Up to 80°C
Fire resistance ratings: DIN 5510 Section 2	S2, SR2, ST2
Building material rating of foam as per DIN 4102	B1
BKZ (Swiss fire code rating)	5.3
Rated thermal conductivity λ (W/m²K)	0.035
Compressive stress (10%)	5 – 20 kPa
Tensile strength as per DIN 53571	> 120 kPa
Ductility, percent elongation at failure as per DIN 53571	> 10 %
Compressive strength as per DIN 53577	7 – 20 kPa

Packaging Unit and Form

Sheet size: 1180 x 980 mm

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

Product variant designations:

B 891/10, B 891/20, B 891/30, B 891/40, B 891/50

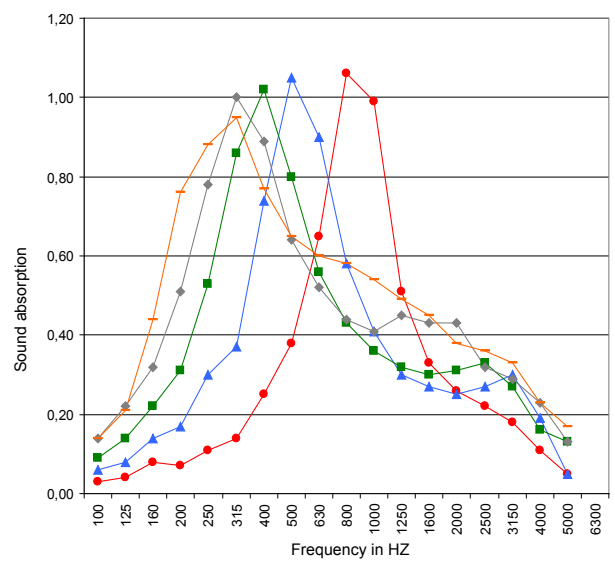
Cut to order material::

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

Sound Absorption

Results obtained using the reverberant field testing method:

	10 mm	20 mm	30 mm	40 mm	50 mm
	—●—	—▲—	—■—	—◆—	— —
100 Hz	0.03	0.06	0.09	0.14	0.14
125 Hz	0.04	0.08	0.14	0.22	0.21
160 Hz	0.08	0.14	0.22	0.32	0.44
200 Hz	0.07	0.17	0.31	0.51	0.76
250 Hz	0.11	0.30	0.53	0.78	0.88
315 Hz	0.14	0.37	0.86	1.00	0.95
400 Hz	0.25	0.74	1.02	0.89	0.77
500 Hz	0.38	1.05	0.80	0.64	0.65
630 Hz	0.65	0.90	0.56	0.52	0.60
800 Hz	1.06	0.58	0.43	0.44	0.58
1000 Hz	0.99	0.41	0.36	0.41	0.54
1250 Hz	0.51	0.30	0.32	0.45	0.49
1600 Hz	0.33	0.27	0.30	0.43	0.45
2000 Hz	0.26	0.25	0.31	0.43	0.38
2500 Hz	0.22	0.27	0.33	0.32	0.36
3150 Hz	0.18	0.30	0.27	0.29	0.33
4000 Hz	0.11	0.19	0.16	0.23	0.23
5000 Hz	0.05	0.05	0.13	0.13	0.17



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