

# MA-Composite Board

Bonding a thin, high-density MA-Board with a low-density MA-Board or M-Board significantly improves acoustic performance at all frequencies. A typical MA-Board Laminate construction includes a 3/16" x 10 PCF panel bonded to 1" x 3 PCF panel. This product is considered a high-end application.




## TYPICAL USES

- Office furniture and workplace
- Auditoriums
- Hotels
- Restaurants
- Music studios
- Churches

## FEATURES

- Cost effective
- High-end acoustical performance
- Durable
- Low tooling costs
- Highly tackable
- Allows repeatable end-use installation
- Fire retardant
- Dimensionally stable
- Custom sizes
- Resists aging
- Aesthetically pleasing
- Impact resistance

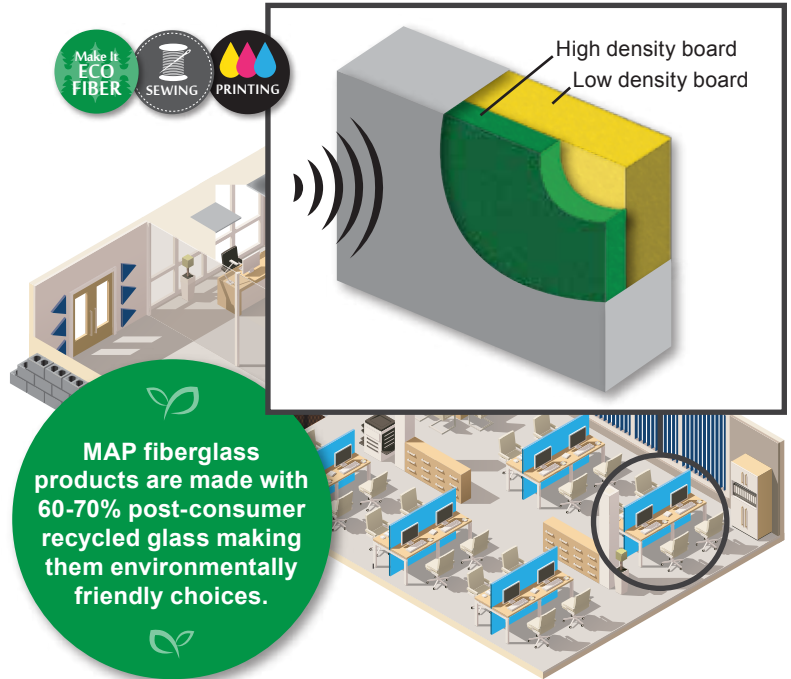
## AVAILABILITY

<b>Total Thickness</b>	15/16" up to 2" in increments of 1/16"
<b>Face Density</b>	6 to 24 PCF in many options
<b>Core Density</b>	1.1 to 6 PCF in many options
<b>Dimensions</b>	Up to 6' x 10'
<b>Molding Medias</b>	   Rotary Fiberglass    Layered Mat    High Density Board

*MAP is a compression molder of many medias, inquire for custom options.*

## PROPERTIES

Rotary Fiberglass		Layered Mat	
Max. Service Temperature	350°F	Max. Service Temperature	230°F
Thickness Range	0.09 - 4.0 in.	Thickness Range	0.09 - 0.5 in.
Density Range	1.5 - 20 PCF	Density Range	8 - 12 PCF



## SOUND ABSORPTION COEFFICIENTS

Per ASTM C423, Mounting A

Face	Construction		Frequency (Hz)						NRC
	Core	Total Thickness	125	250	500	1000	2000	4000	
1/8" x 12 PCF	13/16" x 6 PCF	15/16"	0.05	0.23	0.69	0.92	1.00	0.94	0.70
	7/8" x 6 PCF	1"	0.08	0.29	0.73	0.99	1.02	0.97	0.75
1/8" x 16 PCF	1" x 3 PCF	1-1/8"	0.07	0.39	0.92	1.06	1.02	0.95	0.85
	13/16" x 6 PCF	15/16"	0.06	0.29	0.75	0.96	1.00	0.90	0.75
1/8" x 18 PCF	7/8" x 6 PCF	1"	0.12	0.37	0.78	1.05	1.02	0.92	0.80
	1" x 3 PCF	1-1/8"	0.15	0.50	1.00	1.00	0.97	0.90	0.85
1/8" x 24 PCF	1" x 6 PCF	1-1/8"	0.21	0.66	0.98	1.06	1.04	1.10	0.95
	1" x 3 PCF	1-1/8"	0.15	0.64	1.00	0.94	0.88	0.81	0.85
3/16" x 10 PCF	1" x 3 PCF	1-3/16"	0.13	0.39	0.96	1.07	1.02	0.97	0.85
3/16" x 13 PCF	1" x 3 PCF	1-3/16"	0.12	0.63	1.01	1.00	0.93	0.87	0.90
3/16" x 21 PCF	1" x 3 PCF	1-3/16"	0.16	0.70	0.98	0.94	0.88	0.85	0.90
1/4" x 8 PCF	1" x 3 PCF	1-1/4"	0.07	0.44	0.96	1.08	1.05	0.98	0.90
1/4" x 9 PCF	1" x 3 PCF	1-1/4"	0.12	0.64	0.99	1.03	0.97	0.90	0.90
1/4" x 16 PCF	1" x 3 PCF	1-1/4"	0.17	0.70	0.99	1.02	0.95	0.90	0.90
1/4" x 18 PCF	1" x 3 PCF	1-1/4"	0.22	0.86	0.76	0.68	0.70	0.74	0.75
1/4" x 24 PCF	1" x 3 PCF	1-1/4"	0.22	0.77	0.88	0.84	0.80	0.80	0.80
3/8" x 6 PCF	1" x 3 PCF	1-3/8"	0.13	0.62	1.08	1.10	0.97	0.95	0.95
3/8" x 10 PCF	1" x 3 PCF	1-3/8"	0.13	0.63	1.02	1.08	1.02	0.95	0.95
3/8" x 12 PCF	1" x 3 PCF	1-3/8"	0.20	0.80	0.88	0.81	0.81	0.84	0.85
3/8" x 16 PCF	1" x 3 PCF	1-3/8"	0.17	0.7	0.94	0.95	0.91	0.90	0.90
3/8" x 18 PCF	1" x 3 PCF	1-3/8"	0.36	0.76	0.64	0.60	0.67	0.74	0.65