

# Thermafiber® NRC & STC Data

+ TESTING PER ASTM C 423  
(NRC DATA)

+ NRC- ABSORPTION  
COEFFICIENTS  
1/3 OCT. BAND  
CENTER FREQ. Hz

+ TESTING PER ASTM E 336  
(STC DATA)

Minimum  
**70%**  
Recycled  
Content

		NRC Data						
Mounting Method: A SAMPLE		125*	250	500	1000	2000	4000*	NRC
2.5 pcf density								
	2 in.	0.34	0.61	1.07	1.09	1.07	1.10	0.95
	3 in.	0.51	0.99	1.18	1.03	0.99	0.96	1.05
	4 in.	0.83	1.19	1.27	1.12	1.12	1.13	1.20
	6 in.	1.37	1.32	1.23	1.16	1.12	1.12	1.20
	8 in.	1.36	1.25	1.27	1.20	1.17	1.23	1.20
4.0 pcf density								
	2 in.	0.33	0.71	1.13	1.15	1.08	1.09	1.00
	4 in.	1.01	1.26	1.23	1.13	1.11	1.09	1.20
	6 in.	1.35	1.17	1.20	1.13	1.06	1.10	1.15
	8 in.	1.34	1.21	1.21	1.14	1.12	1.09	1.15
4.5 pcf density								
	1½ in.	0.22	0.44	0.96	1.06	1.05	1.05	0.90
	2 in.	0.30	0.69	1.08	1.01	1.00	1.03	0.95
	3 in.	0.70	1.07	1.24	1.13	1.07	1.08	1.15
	4 in.	1.03	1.25	1.20	1.05	1.05	1.08	1.15
6.0 pcf density								
	2 in.	0.36	0.79	1.15	1.04	1.01	1.04	1.00
	4 in.	1.15	1.17	1.18	1.03	1.06	1.08	1.10
	6 in.	1.18	1.01	1.11	1.03	1.06	1.10	1.05
	8 in.	1.13	1.11	1.13	1.01	1.06	1.07	1.10
8.0 pcf density								
	2 in.	0.35	0.84	1.08	1.04	0.96	0.93	1.00
	4 in.	0.49	1.11	1.11	1.14	0.97	0.64	1.10
	6 in.	0.61	1.19	1.19	1.10	1.03	0.86	1.15
	8 in.	0.75	1.35	1.26	1.19	1.15	1.17	1.25

\*Accuracy of value may be affected by deficiencies in reverberation chamber.

		STC Data**		
		Thickness		
		1 in.	2 in.	3 in.
Nominal Density – pcf		STC	STC	STC
4.0		—	8	14
6.0		6	12	16
8.0		10	15	18
10.0		12	18	23
12.0		11	20	26

\*\*USG Acoustical Research Facility



Made in the USA