PRH: HMR V1-2

DEPARTMENT OF COMMERCE BUREAU OF STANDARDS WASHINGTON

Letter Circular 278

(March 17, 1930)

SOUND ABSORPTION COEFFICIENTS FOR SOME OF THE MORE COMMON MATERIALS.

A 02						
MATERIAL Sitesia	Abs	orption			for	
MATERIAL S	128	256 r.	requenc 512	1024	2048	4096
Acoustex, 1" thick,						
spray painted	.12	.24	. 35	.56	.77	
Acoustex, 2" thick	.22	.41	. 64	.86	.84	
Balsam Wool, 1" thick,						
scrim facing	.18	. 36	• 55		.67	
Celotex, Type B	.16	.26	,40	. 62	. 64	
Celotex, Type BB	.19	. 42	-61 .	. 72	.76	
Flaxlinum, 1" thick	.09	.31	.62	.77	. 69	
Nashkote A, 1/2" thick	.05	.13	.25	.26	.20	
Nashkote A, 3/4" thick	.09	.16	.27	.30	.23	
Nashkote A, 1" thick	.12	.20	.33	. 33	.28	
Nashkote B-332, 1/2" thick	.09	.15	.31	.52	.74	
Nashkote B-332, 3/4" thick	.12	.21	.40			
Nashkote B-332, 1" thick	.19	.26	.50	.73	.89	
Macoustic Plaster,						
stippled, 1/2" thick	.09	.14	.22	.27	.41	
Macoustic Plaster,				•		
1/2" thick, stippled						
with large pins	.12	.20	.31	.39	.58	
Sabinite, 1/2" thick	.15	.17	.22	.29	.38	
Sanacoustic Tile, Rock Wool					-	
filler, 1" thick	.18	.25	.55	.86	.78	
Soundex, 1 3/16" thick,						
spray painted	.10	. 22	.36	.53	.72	
Soundex, 1 7/16" thick,						
spray painted	.21	.26	.48	. 68	.75	
U.S.Gypsum Tile, 3/4"thick	.16	.28	.52	.66		
Balsa Wood, 13/16" thick	.04	.04	.09	.10	.09	.14

Department of Commerce, Washington, D.C.

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