



Name: PolySorb Foundation Colors Collection
Size Available: Up to 10' Lengths Standard. Contact us about other colors and oversized dimensions
Thickness: 1" Standard
Core Density: 1" 7.5 PCF
Array-NRC**: 1" 0.78 Banner
Array-SAA**: 1" 0.80 Banner
Face Type: Ironed Smooth Face
FSI: Class A Flame Spread Index

NOAL Test 22-0946 Description of the test specimen

Specimen Size: 84.1 SF
Mount Method: Type JV-MOD
Frame Construction: 5 Rows 16"x 60"x 1" at 16" OC
Banners x 2 = 10 Total

Air temp in the test room: 73.3°F
Air humidity in test room: 49.4%

Number of sound source positions: 2
Number of microphone positions per sound source position: 3 Rotating Traverses
Type of noise used: Pink Random Noise
Type of mounting used: Type JV-MOD
Airspace behind sample: 4" off surface

** Over extended area of 84.1 SF

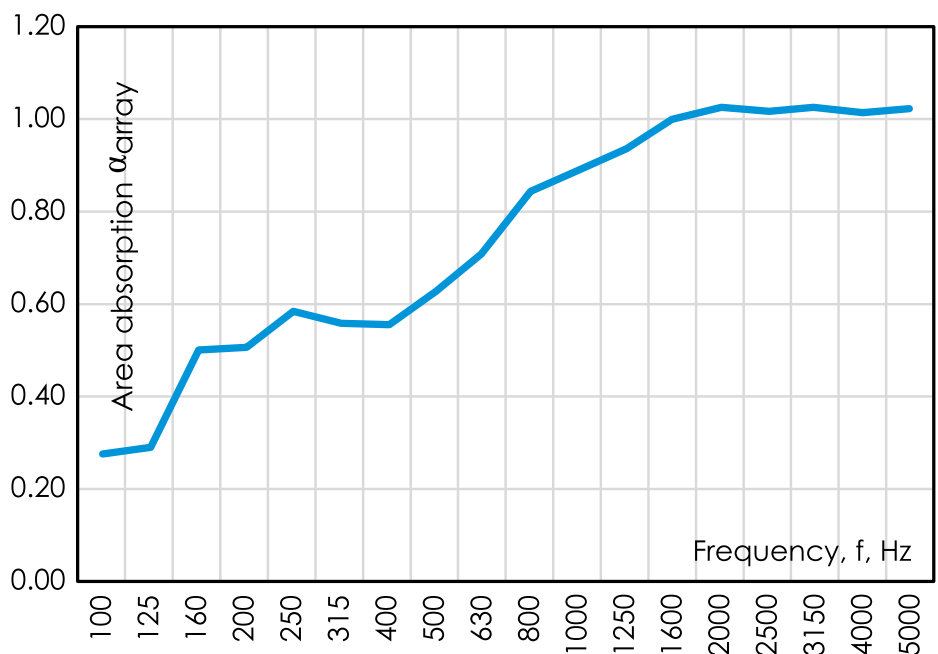
Frequency f Hz	Total Absorption m ²	Unit Absorption m ²	Area Absorption α_{array}
100	2.16	0.216	0.28
125	2.33	0.233	0.30
160	4.17	0.417	0.53
200	4.21	0.421	0.54
250	4.58	0.458	0.59
315	4.49	0.449	0.57
400	4.46	0.446	0.57
500	4.82	0.482	0.62
630	5.45	0.545	0.70
800	6.55	0.655	0.84
1000	6.93	0.693	0.89
1250	7.31	0.731	0.94
1600	7.82	0.782	1.00
2000	8.18	0.818	1.05
2500	8.06	0.806	1.03
3150	8.25	0.825	1.05
4000	8.05	0.805	1.03
5000	8.12	0.812	1.04

Rating according to ASTM C423
 α_{array} Noise Reduction Coefficient = 0.78
 α_{array} Sound Absorption Average = 0.80

It is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve. α_{array} NRC and α_{array} SAA calculated at ASTM C423



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we can
help!



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