



Name: PolySorb New Colors  
 Size Available: 4' x 9' and custom size with MOQ  
 Thickness: 1/2" Standard, custom order to 1" MOQ  
 Core Density: 12.5lbs per square foot  
 NRC: Type A Mounting 0.45, Clouds and Baffles 0.70 to 1.25  
 Face Type: Smooth  
 FSI: Class A Flame Spread Index

Description of the test specimen

Specimen Size: 87.3 SF  
 Mount Method: Type A Mounting Method  
 Frame Construction: Placed Directly on The Test Surface

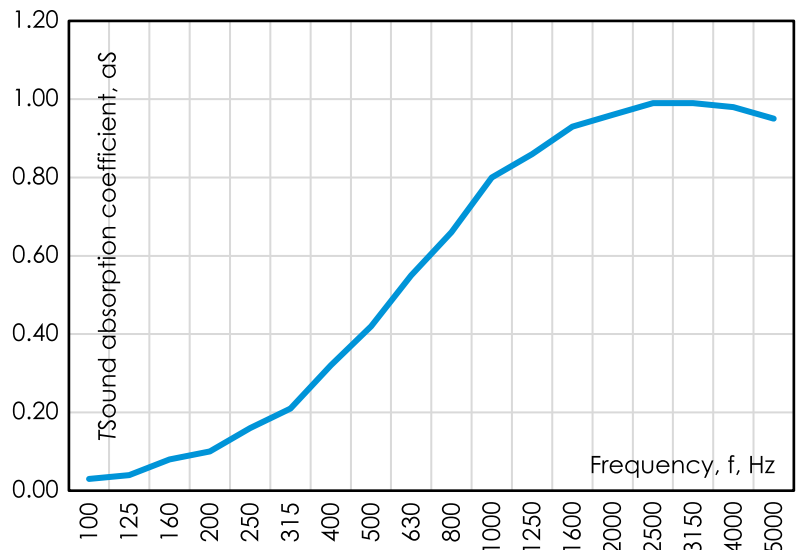
Air temp in the test room: 72.9°F  
 Air humidity in test room: 49.0%

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 A Mounting  
 Airspace behind sample: 0"

Frequency f Hz	T1 - Empty Chamber	Tc - With Sample	One-Third Octave
100	8.00	7.45	0.03
125	6.89	6.25	0.04
160	7.88	6.51	0.08
200	8.55	6.70	0.10
250	8.18	5.72	0.16
315	8.21	5.20	0.21
400	8.03	4.35	0.32
500	8.09	3.80	0.42
630	7.77	3.21	0.55
800	7.40	2.83	0.66
1000	6.96	2.43	0.80
1250	6.10	2.22	0.86
1600	5.49	2.04	0.93
2000	4.57	1.85	0.96
2500	3.91	1.71	0.99
3150	3.54	1.64	0.99
4000	3.05	1.53	0.98
5000	2.49	1.39	0.95

Rating according to ASTM C423  
 $\alpha_{array}$  Noise Reduction Coefficient = 0.70  
 $\alpha_{array}$  Sound Absorption Average = 0.70

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



It is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve. Sound absorption coefficients according to ISO 354 measurement of sound absorption in a reverberation room.



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