



Name: PolySorb Standard Colors
 Size Available: 4' x 8' & 4' x 10' Standard, Custom with MOQ
 Thickness: 1/2", 1" & 2" Standard
 Core Density: 1/2" 12 PCF, 1" 7.5 PCF, 2" 5.5 PCF
 NRC: 1/2" .45 **.75 - .95, 1" .70 - .80 **.78 - 1.00, 2" 1.05 **.97 - 1.25
 **Clouds/Baffles/Type E Mounting
 Face Type: Ironed Smooth Face
 FSI: Class A Flame Spread Index

Intertek Report #200421005SHF-001 Description of the test specimen

Specimen Size: 10.80m2
 Mount Method: Type A Mounting Method
 Frame Construction: Placed Directly on The Floor

Area of test specimen: 72. ft2
 Air temp in the test room: 23°C
 Air humidity in test room: 53%

Number of sound source positions: 2
 Number of microphone positions
 per sound source position: 8
 Type of noise used: Pink Random Noise
 Type of mounting used: Type A Mounting

Hz	Xp
125	0.15
250	0.15
500	0.45
1000	0.75
2000	0.95
4000	0.95

Practical sound
absorption coefficients

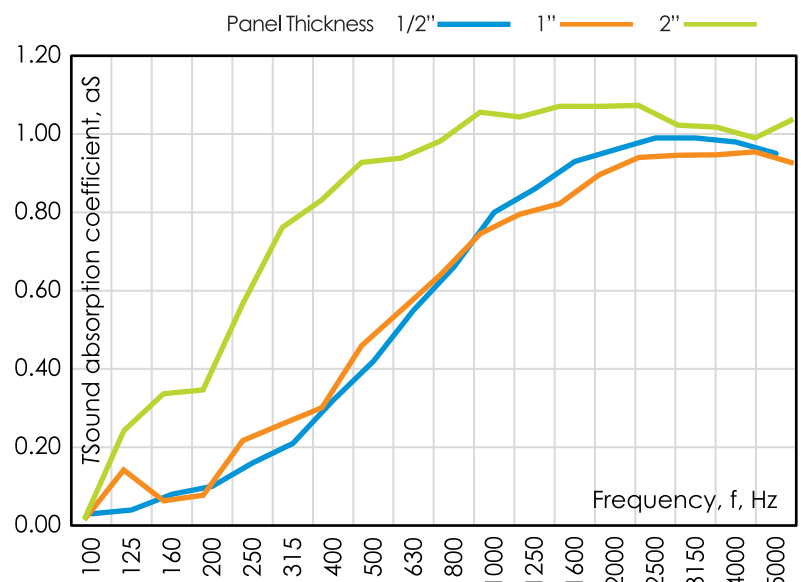
Evaluation based on
laboratory measurement
results obtained by an
engineering method.

Ratings according to ISO 11654
 Weighted sound absorption coefficient: 0.80
 Sound absorption class: A

Rating according to ASTM C423 - 99
 Noise Reduction Coefficient = 0.45 - 1.05
 Sound Absorption Average = 0.82



Frequency f Hz	T1 - Empty Chamber	Tc - With Sample	One-Third Octave
100	0.00	0.04	2.87
125	0.00	0.07	5.16
160	0.00	0.12	8.53
200	0.00	0.20	14.17
250	0.00	0.28	20.06
315	0.00	0.35	25.23
400	0.00	0.50	36.15
500	0.00	0.63	45.52
630	0.00	0.75	53.71
800	0.00	0.83	59.97
1000	0.00	0.87	62.51
1250	0.00	0.94	67.90
1600	0.00	0.95	68.12
2000	0.00	0.99	71.59
2500	0.00	1.01	72.80
3150	0.00	1.01	72.48
4000	0.00	0.98	70.60
5000	0.00	0.97	70.12



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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