



Name: 1" PolySorb
 Size Available: 4' x 8', 4' x 10' standard. Custom colors and sizes up to 5' x 12' available. Longer lead times and MOQ may apply.
 Thickness: 1 inch
 Core Density: 7.0 - 7.5lbs
 NRC: 0.70 - 0.85 (BFCC)

Face Type: Ironed Smooth Face
 Core Color: White, Cloud, Light Beige, Dark Beige, Tan, Chestnut Brown, Light Grey, Grey, Medium Grey, Charcoal, Obsidian, Charcoal Core Black Face
 FSI: Class A Flame Spread Index

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

Name: PS1
 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

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

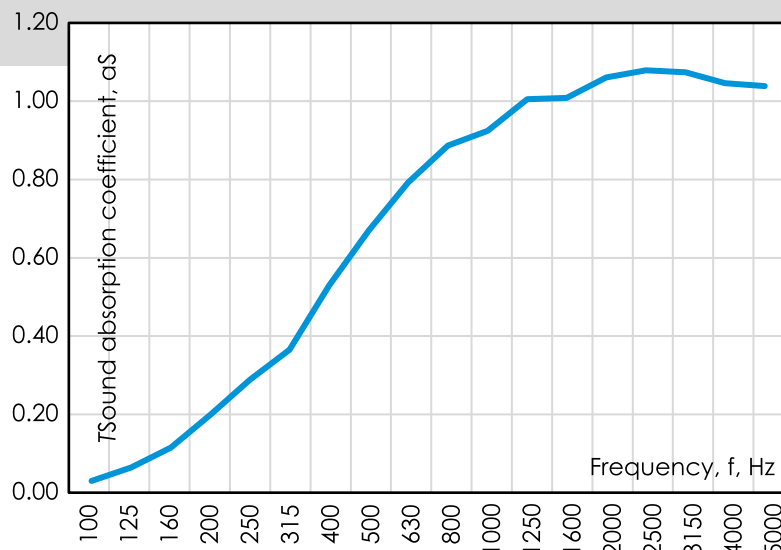
Hz	Xp
125	0.15
250	0.15
500	0.45
1000	0.75
2000	0.95
4000	0.95

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 = 0.85
 Sound Absorption Average = 0.82



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.



Name: 1" PolySorb
Size Available: 4' x 8', 4' x 10' standard. Custom colors and sizes up to 5' x 12' available. Longer lead times and MOQ may apply.
Thickness: 1 inch
Core Density: 7.0 - 7.5lbs
NRC: 0.70 - 0.85 (BFCC)

Face Type: Ironed Smooth Face
Core Color: White, Cloud, Light Beige, Dark Beige, Tan, Chestnut Brown, Light Grey, Grey, Medium Grey, Charcoal, Obsidian, Charcoal Core Black Face
FSI: Class A Flame Spread Index

