



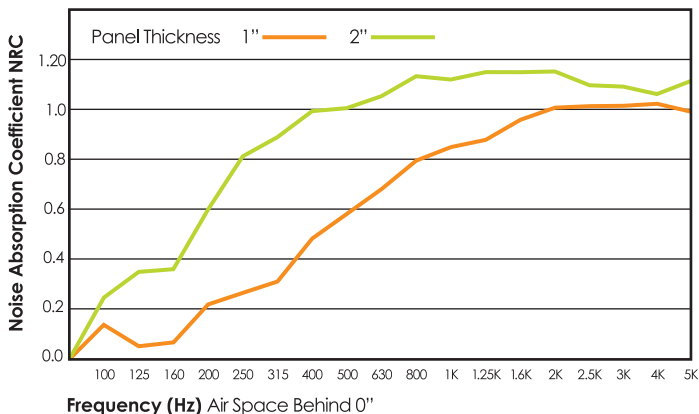
Name: PolySorb Standard Colors  
 Size Available: 4' x 8' & 4' x 10' Standard, Custom with MOQ  
 Thickness: 1/2", 1" & 2" Standard  
 Core Density: 1/2" 12 PCF, 1" 7.5 PCF, 2" 5.5 PCF  
 NRC: 1/2" 0.45 \*\*0.75 - 0.95, 1" 0.75 \*\*0.80 - 1.00, 2" 1.05 \*\*1.15 - 1.25  
 \*\*Clouds/Baffles/Type E Mounting  
 Face Type: Ironed Smooth Face  
 FSI: Class A Flame Spread Index

## Description of the test specimen

Specimen Size: 10.80m<sup>2</sup>  
 Mount Method: Type A Mounting Method  
 Frame Construction: Placed Directly on The Floor

Area of test specimen: 72. ft<sup>2</sup>  
 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

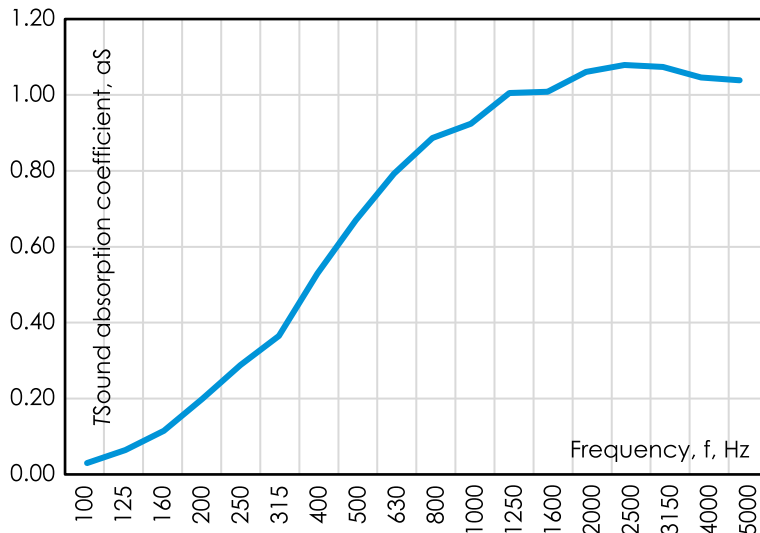
Hz	Xp
125	0.15
250	0.15
500	0.45
1000	0.75
2000	0.95
4000	0.95

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 = 0.45 - 1.05  
 Sound Absorption Average = 0.82

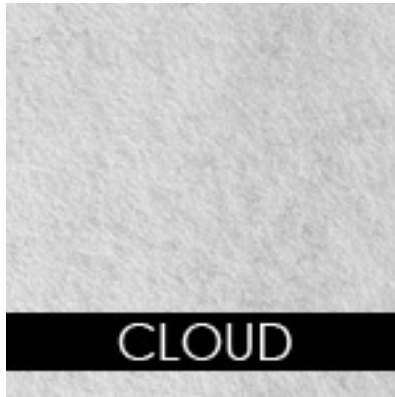


It is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve. Sound absorption coefficients according to ISO 354 measurement of sound absorption in a reverberation room.

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WHITE



CLOUD



LIGHT BEIGE



DARK BEIGE



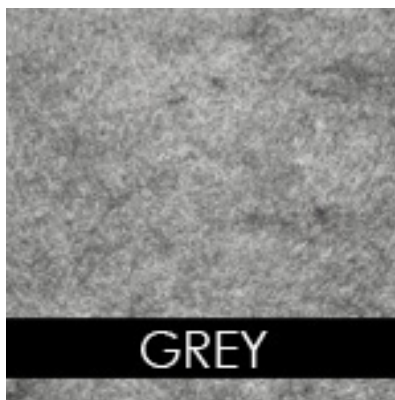
TAN



CHESTNUT BROWN



LIGHT GREY



GREY



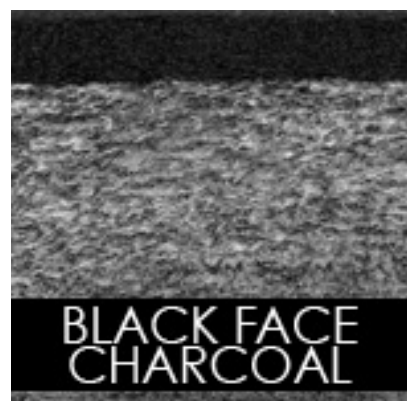
MEDIUM GREY



CHARCOAL



OBSIDIAN



BLACK FACE  
CHARCOAL