



Name: PolySorb Standard 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

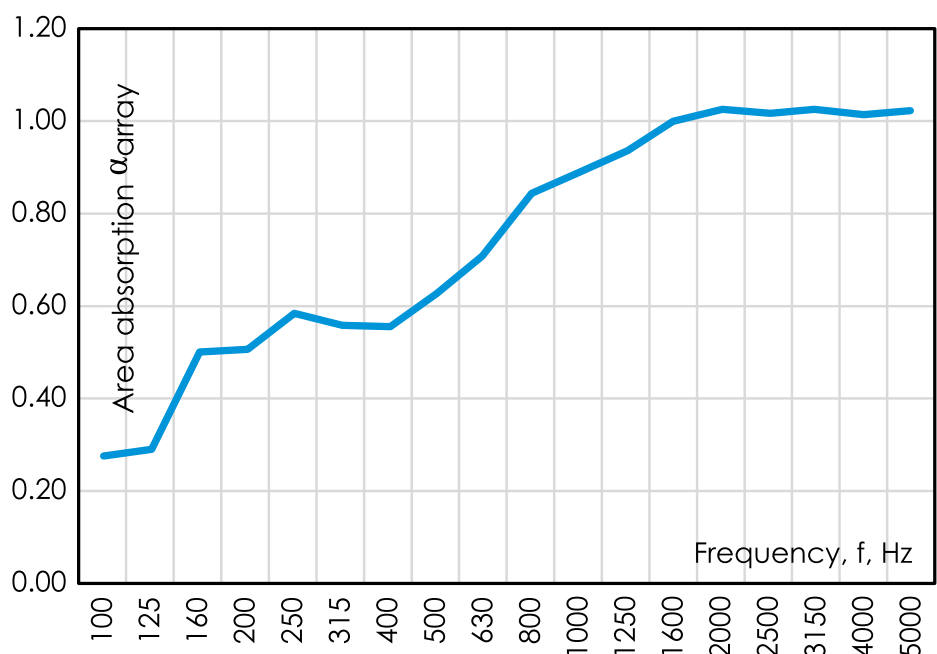
| Frequency<br>f Hz | Total<br>Absorption m <sup>2</sup> | Unit<br>Absorption m <sup>2</sup> | Area<br>Absorption<br>$\alpha_{array}$ |
|-------------------|------------------------------------|-----------------------------------|----------------------------------------|
| 100               | 2.16                               | 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  
 $\alpha_{array}$  Noise Reduction Coefficient = 0.78  
 $\alpha_{array}$  Sound Absorption Average = 0.80

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



going  
green?  
we can  
help!



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