

Absorption Plus® Wall Panels

Description

Absorption Plus panels are composed of a semi-rigid fiberglass core board with a minimum of 25% recycled glass content and a bonded impact laminate of molded fiberglass. Panel edges are available plain or chemically hardened for greater durability. Acoustical facing materials are bonded to the panel using a low VOC water based adhesive. Standard and optional panel facings are available from a range of industry leading manufacturers. The finished panels enhance interior space acoustics by reducing room reverberation while adding visual impact and interest.

High Impact Features / Benefits

- Superior acoustic performance enhances room acoustics through reversed reverberation.
- High density molded fiberglass laminate provides enhanced durability.
- Custom fabricated panels provided unlimited size, shape, (geometric and curved capability) thickness and edge detail.
- Full range of fabrics, patterns, colors as well as custom imaging for unique visuals.
- The standard 100% polyester faced composite panels are Class A fire rated per ASTM E84 providing a fire safe interior finish material per code requirements.
- Typical lead time of 2 - 3 weeks provides fast order turnaround for quick, on time project completion.
- Panel ship in durable wood crates virtually eliminating shipping damage, claims and resulting project delays.
- A variety of available mounting options to suit any application condition.

Absorption Plus Availability

Absorption Plus Wall Panels are used in conjunction with Absorption Plus Deck and Cloud, High Impact, Tack and Baffle panel applications.

Standard Panel Sizes: 1, 1 1/2, 2" thick, up to 4' wide and 10' long

Edge Treatments: Square, Bevel, Chamfer and Radius, plain or chemically hardened

Absorption Plus acoustic panels are available through a network of SPI locations across North America.



Absorption Plus Wall Panels
(see datasheets for other Absorption Plus products)

Performance Compliance Data

Base Board: Complies to ASTM E84 / UL 723 - Flame Spread 25, Smoke Developed 50, Class A fire rated

SCS Certified: Minimum 25% Recycled Content

Thermal Resistance: R Value 4.3 per inch at 75°F Mean Temp.

Nominal Density: 6 - 7 pcf

Facings: include 100% polyester fabric such as Guilford of Maine FR701, and other industry leading manufacturers.

Adhesive: Water based fire retardant, low emitting VOC complying with LEED™ IEQ Credit 4.1

ASTM E84 - Flame Spread 5, Smoke Developed 0
(Properties as reported by manufacturers)

Sound Absorption Coefficients, Mounting Type A
per ASTM C423 and ASTM E795 (Composite panel)

Thickness Inches (mm)	Frequency, Hz							NRC
	125	250	500	1000	2000	4000		
1 (25)	0.05	0.30	0.72	1.01	1.09	1.02	0.80	
1 1/2 (38)	0.14	0.52	1.04	1.14	1.06	1.02	0.95	
2 (51)	0.31	0.79	1.18	1.22	1.08	1.07	1.05	

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