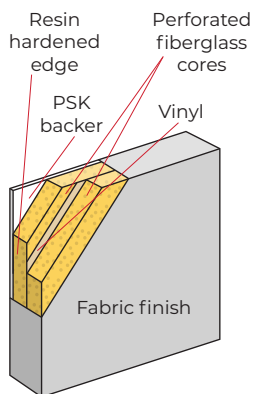




Omni Plane Diffuser Panels

Omni Plane Diffuser Panels used for walls and ceilings combines absorption and diffusion into one sound panel. Used in any critical listening environment, the product is often combined with **Respond®** acoustic panels which are similar in appearance.

Product features



Core construction:

The patented internal structure uses two layers of 6-7 PCF fiberglass board separated by a proprietary vinyl layer to form a low-profile, composite absorber, diffuser product. The panel is covered with custom fabric that is completely adhered to the face of the panel and returned to the back for a full finished edge. All corners are fully tailored. Edges are protected with resin hardening.

Size availability	Edge details	Finishes	Mounting	Shapes
<ul style="list-style-type: none"> Thicknesses: 1", 2" Standard min: 12" x 12" Larger sizes in 6" increments only Standard max: Ceiling: 3'x5' Wall: 4'x8' 	<p>All edges are resin hardened.</p> <p>Available choices include:</p> <ul style="list-style-type: none"> Square 	<p>A wide variety of fabrics are available from all major brands, including:</p> <ul style="list-style-type: none"> Carnegie Maharam DesignTex Knoll Guilford of Maine 	<p>Standard mountings for Ceilings:</p> <ul style="list-style-type: none"> Z-Bar to Z-Bar Ceiling grid system <p>Standard mountings for Walls:</p> <ul style="list-style-type: none"> Impaling clips/perimeter adhesive Z-Clips to Z-Bar 	—

Custom size is our standard.

Acoustic performance

The NRC of the products are determined from an average of sound absorption coefficients, obtained from tests conducted according to ASTM C423 procedures in an NVLAP accredited laboratory.

	HZ →	125	250	500	1000	2000	4000	NRC ↓
1" thickness (A mounting)		0.09	0.21	0.72	0.79	0.91	1.03	0.65
1" thickness (E400)		0.43	0.28	0.51	0.76	0.99	1.10	0.65
2" thickness (A mounting)		0.23	0.83	0.78	1.01	0.90	0.78	0.90
2" thickness (E400)		—	—	—	—	—	—	—

Additional properties

*Conwed products meet or exceed ASTM E84 standards for smoke development and flame spread on a component level.

	Fire rating*	Improved impact resistance	Scratch resistance	NAF available	Washable	Warranty
1" thickness	1/A (ASTM E84)	—	—	—	✓	3 years
2" thickness	1/A (ASTM E84)	—	—	—	✓	(from date of shipment received)

Initiatives

Sustainability

Conwed is committed to driving sustainability wherever possible. By streamlining our processes and using recycled materials in our products, we strive to decrease our environmental impact. Our materials are certified by leading social responsibility groups and are helping us pave the way toward a more sustainable future.



For your LEED® projects, our products can help you qualify for different points depending on the product you choose. Contact us to learn more detailed information.

Disclaimer of liability: Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Conditions of use may vary and are beyond our control, and because of this Conwed makes no representation about, and is not responsible or liable for, the accuracy or reliability of data associated with particular uses of any product described herein.