



Omni Plane Diffuser Panel

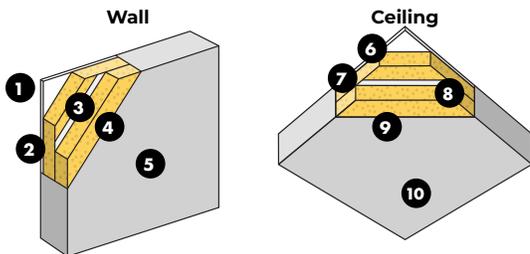
These unique panels combine absorption and diffusion into a single acoustic solution. Finished in the same textile offering as other Conwed products, Omni Plane Diffusers can blend into any acoustic solution.

Specialized

Conwed's Specialized products do more, or even the opposite, of traditional noise-absorbing acoustic panels. Reflect, diffuse, block, and balance sound in any environment with these customizable solutions.

Core construction

Dimensionally-stable perforated 6-7 PCF fiberglass boards divided by a reflective vinyl layer, for acoustic performance, and diffusion. Back layer of PSK for additional acoustic reflection and blocking. Fabric finish wrapping around to the back for fully-finished edges. Edges hardened for durability using resin.



- 1. PSK backer
- 2. Resin-hardened edge
- 3. Vinyl
- 4. Perforated cores
- 5. Fabric finish
- 6. PSK backer
- 7. Resin-hardened edge
- 8. Vinyl
- 9. Perforated cores
- 10. Fabric finish

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 ↓
E400 A-mounted	1" thickness	0.09	0.21	0.72	0.79	0.91	1.03	0.65
	2" thickness	0.23	0.83	0.78	1.15	1.09	1.12	1.05
	1" thickness	0.43	0.28	0.51	0.76	0.99	1.10	0.65
	2" thickness	—	—	—	—	—	—	—



Edge details

All edges are resin hardened, unless otherwise specified.

- Available choices include:
- Square



Mounting

- Wall mountings:
- Z-Clips to Z-Bar
 - Impaling clips/perimeter adhesive
 - Z-Bar to Z-Bar
 - Resin spots
 - Rotofast™ Snap-On Anchors
 - Conwed Rotofast™ Z-Clip

- Ceiling mountings:
- Z-Bar to Z-Bar
 - Resin spots
 - Rotofast™ Snap-On Anchors



Finish

A wide variety of fabrics are available from all major brands, including:

- Carnegie
- DESIGNTEX
- maharam
- Knoll
- Guilford of Maine
- kvadrat

Size availabilities

Thickness	Ceiling		Wall	
	2'x2'	2'x4'	2'x2' min	4'x8' max
1"	•	•	•	•
2"	•	•	•	•

*Adjustments must be in 24" increments.



Fire Rating

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



Standard Durability

This product has a durable core construction, ideal for out-of-reach areas.



Shapes

This product can be made into custom shapes for complex designs. Contact Customer Service for more info on how we can support your project.



Connecting

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Washable

Refer to the Maintenance & Cleaning Guide for more details.
conwed.com/cexp-maintenanceandcleaning

Sustainability initiatives



LEED®

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. To view our certificate visit conwed.com/cexp-LEED.

Warranty

3 years. Refer to Warranty for more details.
conwed.com/cexp-warranty



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