



Diffusers | Barrel & Pyramidal

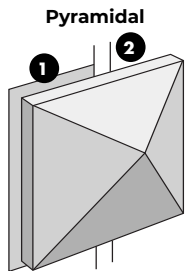
Barrel & Pyramidal Diffusers are designed for use in performance areas, auditoriums, and other facilities requiring enhanced quality and acoustic performance. Diffusers scatter and blend sounds in a broad range of frequencies to improve the quality of any listening environment.

Specialized

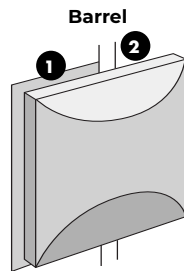
Conwed's Specialized products do more, or even the opposite, of traditional noise-absorbing acoustic panels. Reflect, diffuse, block, and balance sound in any environment with these customizable solutions.

Core construction

Constructed of either molded gel coat or 1/8" thermoformed, fire-resistant plastic and molded to a one-piece barrel or a special offset pyramidal shape. The interior can be lined with a 1 1/2" thick layer of fiberglass batt to dampen vibrations.



- 1. Flange version
- 2. No flange version



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- 2. No flange version

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 ↓
Barrel (Gel-D5)	0.29	0.29	0.08	0.05	0.06	0.05	0.10
Barrel (Gel-E400)	0.30	0.23	0.09	0.08	0.06	0.08	0.10
Barrel (Therm-D5)	0.34	0.14	0.08	0.06	0.06	0.05	0.10
Barrel (Therm-E400)	0.25	0.11	0.10	0.06	0.06	0.06	0.10
Pyramidal (Therm-D5)	0.19	0.14	0.10	0.08	0.06	0.03	0.10
Pyramidal (Therm-E400)	0.31	0.11	0.09	0.08	0.07	0.09	0.10

Standard sizes

Additional and custom sizes available by request.

Style	Sizes
Pyramidal	2'x2', 2'x4', 4'x4'
Barrel	2'x2', 2'x4', 3'x3', 3'x4', 3'x6', 4'x4', 4'x6', 4'x8'

Note: Sizes are nominal, contact cexp@conwed.com for more info.



Edge details	Mounting	Textures/Finishes
Available choices include: <ul style="list-style-type: none"> • Flanged for grid layout • No flange for wall & ceiling mounting 	Standard mountings: <ul style="list-style-type: none"> • L-angles and hook & loop fasteners • Ceiling diffusers use 1 5/16" flange to fit standard ceiling grid • 3/16" grid uses additional mounting clip 	<ul style="list-style-type: none"> • Fiberglass gelcoat with white, lemonpeel texture • Thermoformed with white haircell texture • Fabric coverings • Custom paint color



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

Square or rectangular perimeter and barrel or pyramidal body shape.



Connecting

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Washable

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

Sustainability initiatives



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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