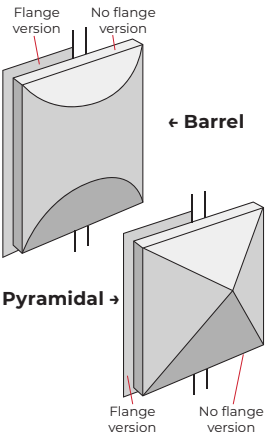




## Diffusers: Barrel & Pyramidal

**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 for a broad range of frequencies and improve the quality of music environments.

### Product features



**Core construction:**

Constructed of 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 enhance sound absorption.

Size availability	Edge details	Finishes	Mounting	Shapes
<ul style="list-style-type: none"> <li>Pyramidal: 2'x2', 2'x4', 4'x4'</li> <li>Barrel: 2'x2', 2'x4', 3'x3', 4'x2', 4'x3', 4'x4', 4'x8', 6'x3', 6'x4', 8'x4'</li> </ul> <p><i>*These sizes are available in rigid fiberglass only. Custom shapes and sizes are available upon request.</i></p>	Edge details shall be flanged for laying into grid or straight for wall and some ceiling applications.	<ul style="list-style-type: none"> <li>Fiberglass gelcoat with white, lemon-peel texture</li> <li>Thermoformed sheet with white haircell texture</li> <li>Fabric coverings</li> <li>Chosen paint color application</li> </ul>	<ul style="list-style-type: none"> <li>Mount using a combination of L-angles and hook and loop fasteners.</li> <li>Ceiling diffusers come in flanged configuration to fit standard ceiling grid. 1 5/16" wide.</li> </ul>	—

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 ↓
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

### 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
Barrel	1/A (ASTM E84)	—	—	—	✓	3 years
Pyramidal	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.

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