

# AcoustiShell™ Curvilinear Cloud & Canopy Diffuser - Reflector



## AVL Systems' AcoustiShell™ Diffuser-

**Reflectors** are curvilinear shapes designed to redirect sound spatially and coherently to audience listeners while maintaining desirable reverberation times. The scattering of sound and early reflections by curved shapes overhead improve musical clarity, volume, presence and intelligibility while helping to provide a more intimate connection with performers and their performance on stage.

## AVL Systems' GreenSafe™ Technologies

AVL Systems manufactures all of its products in an environmentally conscious manner and strives to use naturally occurring and/or recycled materials using rapidly-renewable raw materials and bio-based technologies. All products are inert, non-combustible, dimensionally stable and do not support mold or mildew.

AVL Systems' products and technologies are aligned with the highest social consciousness and environmental standards for green, earth friendly, sustainable practices.

## Features

- Gel Coat Finishes - Available in Any Color
- Abuse Resistant and Extremely Durable
- No Filling, Painting or Finishing Required
- Factory, Pre-Formed Shapes for Consistent Performance
- Simple, Easy Installation - No On-Site Bending or Painting
- Fully Concealed Mounting Hardware Included
- Standard and Custom Sizes
- Add Sound Absorption with Optional AcousTech™ Backing
- Fire Performance Class 1/A, UL 723 and ASTM E-84
- Indoor Air Quality (IAQ) and Low VOC Meets GREEN-GUARD Children & Schools Certification and California Title 24
- LEED Credit Eligibility With Installation of These Products



## Applications

Suitable for all spaces where sound must be reflected without absorption or conversion of energy. Applications include auditoriums, worship space, sanctuaries, convention and conference centers, music and performance space, schools, public buildings, or any area where acoustics, aesthetics and value are a consideration.



**AVL Systems, Inc.**

5540 SW 6th Place · Ocala, FL 34474 · [www.AVLonline.com](http://www.AVLonline.com)

Toll Free: 1-800-228-7842 · Fax: 352-854-1278 · Email: [info@AVLonline.com](mailto:info@AVLonline.com)

# AcustiShell™ Curvilinear Cloud & Canopy Diffuser - Reflector

## AVL Systems' AcustiShell™ Diffuser-Reflectors

**Reflectors** are constructed of FRP composites suitable for all interior performance spaces. AcustiShell™ Diffuser-Reflectors are constructed to be extremely rigid and more durable than gypsum products. Internal dampening is standard on all FRP Diffuser-Reflectors with AVL's exclusive GeoMatrix core preventing unwanted ringing and resonances that color sound and tone. These attractive products are available in a gel coat finish from a variety of standard and custom colors. Products may be installed individually or as an array or canopy. Different shapes and curvatures are available to provide various elements of diffusion and longitudinal back-scattering of sound energy as well as aesthetic design opportunities. Canopied arrays and grouping by the installer may allow the acoustical consultant to design and achieve non-periodic responses and grouped sequencing.



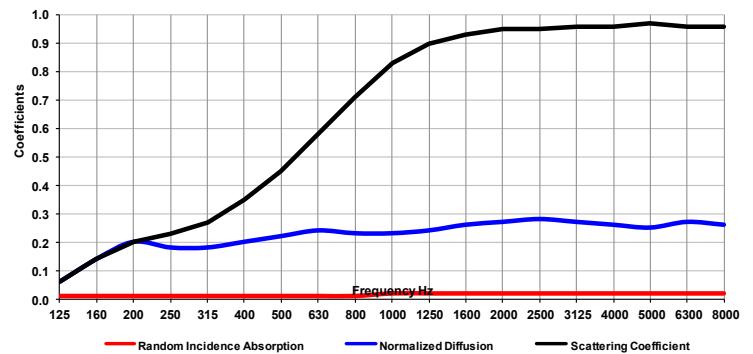
## Warranty

AVL Systems' *Limited Warranty* extends for ONE FULL YEAR from the original date of shipment. AVL Systems' literature, presentations and published data are correct to the best of our knowledge at time of publication. AVL Systems, Inc. reserves the right to change or amend any of the products or the information presented or published without liability or notice.

## Finishes

Standard finish is a durable, white gel coat that is ready to install. No field painting required unless specified. Custom colors available upon request.

## Acoustical Performance For AcustiShell FRP Interactive Product Performance



## Technical Features & Information

- FRP Gel Coat in Standard White or Custom Colors
- Thickness: 1-½" FRP With GeoMatrix Core
- Sizes (+/- ¼" Nominal): Any Size Up To 48" x 120"
- Special Sizes: Available Upon Request
- Depths: 9" and 12", All Others Optional
- Weight:: 2.5- 3.0 lbs. per sq. ft., Typical
- Fabric Facings: Guilford FR701 Standard
- Fire Performance: Class 1/A, UL 723 / ASTM E-84 Class B, C Ratings Optional
- Installation: Cable to Factory Attachments
- Sound Absorption: Optional AcousTech™ Backing



**AVL Systems, Inc.**

5540 SW 6th Place · Ocala, FL 34474 · [www.AVLonline.com](http://www.AVLonline.com)

Toll Free: 1-800-228-7842 · Fax: 352-854-1278 · Email: [info@AVLonline.com](mailto:info@AVLonline.com)