

HANGING ACOUSTICAL BAFFLES TECHNICAL DATA



Product Description

Sound Designs™ hanging acoustical baffles are designed to address reverberating noises in a space and to enhance speech intelligibility. With a broad selection of sizes, thicknesses and surface materials, these acoustical baffles are custom designed to suit the acoustical and aesthetic needs of any space.

Form and Function

Sound Designs baffles can be installed in any interior where noise within a space is an issue. These baffles, when suspended in a perpendicular orientation to the ceiling can add dramatic visual impact while contributing to the acoustical performance of the space.

Product Profile

- **Noise Reduction:** Sound Designs™ acoustical baffles provide excellent sound absorption when suspended in the vertical orientation.
- **Unique Design Options:** Choose from a variety of shapes and sizes, custom manufactured specifically for your project.
- **Bonded Surface Treatment:** The proprietary process bonds the surface material to our acoustical core for exceptional acoustical performance.
- **Recycled Content Fiberglass Core:** The 6-7 pound per cubic foot density fiberglass core is manufactured with a
- weighted average of over 40% post-consumer recycled glass as a percentage of glass weight as certified by Scientific Certification Systems (SCS).
- **Design Flexibility:** Choose from a variety of shapes and sizes custom manufactured specifically for your project. Core thicknesses of 1" and 2" are available in widths up to 48" and maximum lengths up to 120". Additional custom thicknesses are available.

Acoustical Performance

Our acoustical products have been tested at a NVLAP (National Voluntary Laboratory Accreditation Program) accredited laboratory and have achieved acoustical performance ratings when tested in accordance with ASTM C 423-08a.

Panel Thickness

1"
2"

Sabins

8.0
12.0

Based on 24" X 48" Baffle

Edges

Edges are resin hardened providing dimensional stability to the panel perimeter. Edge details are available in square, half bevel, quarter bevel, radius, and mitered.

Fire Rating

All components are Class I/A fire rated when tested in accordance with ASTM E84. The flammability testing data, conclusions and recommendations in these reports relate solely to measurements and descriptions of the properties of materials, products, or systems in response to heat and flame under controlled laboratory conditions and should not be considered or used for the description, appraisal or regulations of the fire hazard of materials, products or systems under actual fire conditions.

Attachment Method

Sound Designs™ hanging acoustical baffles incorporate non-corrosive metal suspension tabs imbedded in the baffle core to provide easy attachment to a suspension cable or chain.

Warranty

One (1) year limited warranty. Contact your local Koroseal Interior Products sales representative for complete warranty details.

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Surface Options

Choose from a wide variety of fabrics and commercial wallcoverings to enhance your interior space. Each surface material is carefully tested and examined to assure that your design aesthetic is met.

- ♦ **High Performance Textiles:** Polyester/Polyolefin fabric blends are available in woven dobby and jacquard weaves. Versatile colorways coordinate with today's interior palettes. The fabric backing is acoustically engineered to enhance sound absorption.
- ♦ **Vinyl Wallcoverings:** Choose from hundreds of textures and patterns offered in these beautiful collections. Our commercial wallcoverings are acoustically perforated to enhance our acoustical wall panel's sound absorption characteristics.
- ♦ **Digitally Printed Celtic Cloth or Vinyl Wallcoverings:** Our experienced, in-house design staff can bring your graphic elements to life using our exclusive digitally printed wallcoverings as the canvas.
- ♦ **Arbor Wood Veneer Wallcovering:** Select your surface treatment from our vast array of precision sliced wood veneer wallcoverings. These beautiful and natural veneers are acoustically perforated to assure the highest in sound absorption characteristics whether in a wall panel, cloud, or ceiling application. Visit koroseal.com/arbor for our extensive offerings.
- ♦ **Acoustically Transparent Textured and Painted Surface:** Sound Designs baffles can be manufactured to blend into their environment and match their painted surroundings. These products are coated with an acoustically transparent textured finish that translates as a smooth, traditional look of painted drywall or plaster. These baffles are designed to offer an architectural element while providing exceptional acoustical absorption.