

# PERFORMANCE SERIES ACOUSTICAL PANELS TECHNICAL DATA



## Product Description

Sound Designs™ Performance Series acoustical panels are the product of choice when beauty and affordability are the most important considerations. These functional wall panels are designed to address reverberation noises in a space and to enhance speech intelligibility.

## Form and Function

Sound Designs can be installed in any interior where noise within a space is an issue. These panels, when mounted on the wall, will add dramatic visual impact and, most importantly, sound absorption contributing to the acoustical performance and comfort of the space.

## Product Profile

- **Noise Reduction:** Sound Designs™ acoustical panels provide excellent sound absorption when applied to various vertical surfaces.
- **Bonded Surface Treatment:** The proprietary process bonds your specified fabric to our high performance acoustical core, combining a visually exciting surface with 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. Many of our surface materials contain recycled content to further increase the percentage of recycled content.
- **Unique Design Options:** Choose from a variety of shapes and sizes custommanufactured specifically for your project. Panel thicknesses of 3/4"–2" are available in widths up to 48" and maximum lengths up to 120". Additional custom thicknesses are available.
- **Edges Details:** Edges are resin hardened, providing dimensional stability to the panel perimeter. Edge details are available in square, half bevel, quarter bevel, mitered, and radius.

## 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

3/4"  
1"  
1-1/2"  
2"

### NRC

0.55 to 0.65  
0.75 to 0.95  
0.85 to 1.05  
0.90 to 1.10

\*NRC ratings are determined with specific fabrics and mounting options. Higher NRC ratings can be achieved with mountings that incorporate an air space between the panel and the wall. Please contact your Koroseal Interior Products sales representative for specific NRC test results.

## 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

- Snap-On Rotofasts
- Cloud Anchors
- Z-Clip/Velcro
- Impaling Clips with Adhesive
- Others Available Upon Request

## 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](http://koroseal.com/arbor) for our extensive offerings.