



Performance Series Acoustical Wall Panels Technical Data



Product Description:

Sound Designs™ Performance Series Acoustical Wall 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 Wall 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 custom-manufactured specifically for your project. Panel thicknesses of 3/4", 1", 1-1/2" and 2" are available in widths up to 60" and maximum lengths up to 120". Panel widths over 48" require 60"-66" wide surface materials. 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 wall panels have been tested at a NVLAP (National Voluntary Laboratory Accreditation Program) accredited laboratory and have achieved the following acoustical performance ratings when tested in accordance with ASTM C 423-08a:

Panel Thickness	NRC*
3/4"	0.55 to 0.65
1"	0.75 to 0.95
1-1/2"	0.85 to 1.05
2"	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 Representative for specific NRC test results.

Fire Rating

All components are Class 1/A fire rated when tested in accordance with ASTM E84.

The flammability testing data, conclusions and recommendation 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.



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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.

- **KOROSEAL's High Performance Textiles**

Polyester/ Polyolefin fabric blends are available in woven dobby and jacquard weaves. Versatile colorways coordinate with today's interior palettes. All fabrics are treated with a stain resistant finish for ease of maintenance. The fabric backing is acoustically engineered to enhance sound absorption.

- **KOROSEAL®, Victrex®, Sanitas® and KOROSEAL® Studios 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 Fabrics and Commercial Wallcoverings**

Our experienced, in-house design staff can bring your graphic elements to life using our exclusive digitally printed wallcoverings as the canvas.

In addition, wide format FR polyester fabrics can be dye sublimation printed for use on our acoustical ceiling clouds for grand scale, high resolution statements.

- **Customer's Own Fabric**

Sound Designs Acoustical Wall Panels are offered in custom sizes, thicknesses and finishes. When you need to coordinate other fabrics and finishes with needed acoustical treatments, Koroseal will test your fabric and confirm that it is compatible with our manufacturing process.

Installation

Sound Designs™ Acoustical Wall Panels are easy to install and can mount directly to most existing wall surfaces using Rotofast™ Snap-on Anchors.



Panels can be manufactured to accommodate installation using z-clips, hook and loop fasteners, construction adhesive, impaling clips/adhesive or custom moldings.

Warranty

One (1) year limited warranty. Contact your local KOROSEAL Interior Products Representative for complete Warranty details.

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