



Impact Performance Series Acoustical Wall Panels Technical Data



Product Description:

Sound Designs™ Impact Performance Series Acoustical Wall Panels provide impact resistance and acoustical absorbency where you need it the most. These acoustical panels provide the durability of a co-polymer perforated surface with a highly sound absorbent core - all wrapped in a versatile acoustically transparent textile. Specifically designed for use in areas with high traffic and the potential for impact abuse, you'll find these panels performing in gymnasiums, multi-purpose rooms and industrial facilities.

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 visual appeal and impact resistance while 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.

▪ Co-Polymer Face

An acoustically perforated co-polymer face protects the core material from denting and compression while providing an excellent surface to adhere a durable finish material.

▪ Bonded Surface Treatment

The proprietary process bonds your custom fabric to our co-polymer face and high performance acoustical core – combining a durable 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. Please contact your KOROSEAL Interior Products Sales Representative for specific details.

▪ Design Flexibility

Choose from a variety of shapes and sizes custom-manufactured specifically for your project. Panel core thicknesses of 3/4", 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 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*
1-1/16"	0.85 to 0.95
1-9/16"	0.95 – 1.05
2-1/16"	1.00 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.

Edges

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

Fire Rating

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



Impact Performance Series Acoustical Wall Panels Technical Data

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.

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.

▪ 100% FR Polyester Fabric

Our Impact Panels can be surfaced with a wide selection of 66" wide, acoustically transparent, 100% woven polyester fabrics.

▪ 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.

*Light color fabrics and light weight fabrics may telegraph the perforated co-polymer face. Contact your local Koroseal Interior Products Representative for additional information when developing your specifications.

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.

Sound Designs™, KOROSEAL®, Victrex®, Sanitas® and KOROSEAL® Studios Wallcoverings are trademarks and registered trademarks of Koroseal Interior Products, LLC, Rotofast™ is a registered trademark of Rotofast Inc., NAVLAP® is a registered trademark of the National Voluntary Accreditation Program

©2014 Koroseal Interior Products, LLC.
Koroseal Interior Products, LLC reserves the right to make design changes or to withdraw any design without notice.