

# IMPACT PERFORMANCE SERIES ACOUSTICAL PANELS TECHNICAL DATA



## Product Description

Sound Designs™ Impact Performance Series acoustical panels provide impact resistance and acoustical absorbency where you need it the most. These acoustical panels provide the durability of Korogard 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 panels 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

## Indoor Air Quality

### Product Profile

- **Noise Reduction:** Sound Designs™ acoustical wall panels provide excellent sound absorption when applied to various vertical surfaces.
- **Korogard Face:** An acoustically perforated Korogard 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 Korogard 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.
- **Design Flexibility:** Choose from a variety of sizes custom manufactured specifically for your project. Our acoustical cores are available in 1 1/16" and 2 1/16" thicknesses up to 48" X 120" with larger custom widths and lengths available (must meet minimum custom production requirements).

## 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

1-1/16"  
2-1/16"

### NRC

0.85 to 0.95  
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 sales representative for specific NRC test results.

## Edges

Square edges provide a crisp clean panel detail. The Korogard protective sheet is fully bonded to the surface of the panel and edges are fully wrapped. The Korogard sheet is then wrapped to the back of the panel and mechanically fastened to provide enhanced panel stability.

## 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 Methods

- 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.
- ♦ **Korogard Protective Wallcovering:** An acoustically perforated Korogard face protects the core material from denting and compression while providing an excellent surface to adhere a durable finish material.

\*Light color fabrics and light weight fabrics may telegraph through the perforated Korogard facer. Contact your local Koroseal Interior Products sales representative for additional information when developing your specifications.