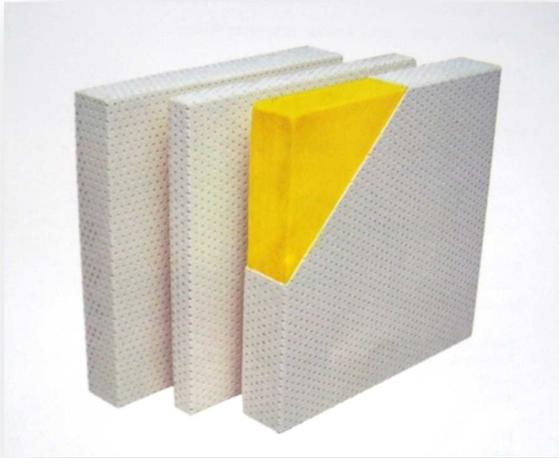




## High Impact Performance Series Acoustical Wall Panels Technical Data



### Product Description:

Sound Designs™ High 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 perforated, co-polymer protective surface with a highly sound absorbent core. 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. Basketballs and moving equipment are no match for these durable panels.

### 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 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. The standard color option is white with a wide array of custom colors available to coordinate with your interior finishes or when you need a coordinating color.

#### ▪ Bonded Surface Treatment

The proprietary process bonds the co-polymer face to our 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" and 2" thicknesses. Standard perforated sheet sizes are 48" X 96" with larger custom widths and lengths available (must meet minimum custom production requirements).

### Acoustical Performance

Our acoustical panels have been tested at a NVLAP (National Voluntary Laboratory Accredited 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
2-1/16"	1.00 to 1.10

\*NRC ratings are determined with specific 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

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





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### 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.

### Warranty

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

### Installation

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

When installing as wall panels, provide 1/8" spacing for expansion and contraction.

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