

# ECHOTROL™

## HIGH IMPACT ACOUSTIC WALL PANELS



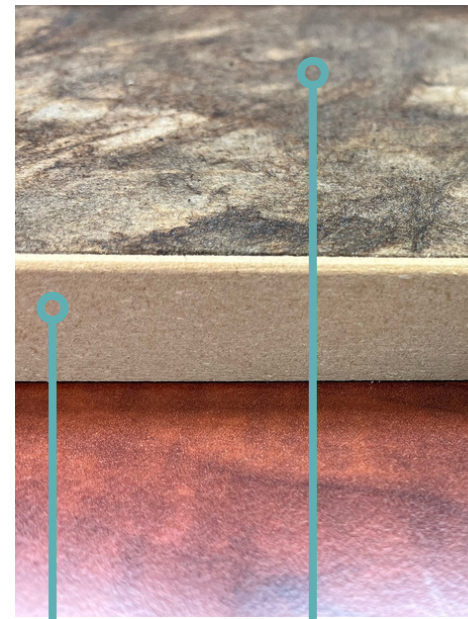
# WHAT ARE **ECHOTROL™** HIGH IMPACT WALL PANELS?

Echotrol™ High Impact Wall Panels are engineered for acoustic excellence and exceptional durability, ideal for environments like gymnasiums and multi-purpose rooms where impacts are frequent. These robust panels not only absorb and dampen sound effectively to reduce noise and echo, ensuring clearer communication, but are also designed to withstand the rigors of high-impact spaces. Their durability is a key feature, ensuring longevity and resilience in challenging environments.

The panels are designed for easy installation using an impalement plate system and require low maintenance, seamlessly integrating into various wall systems. This makes them a practical and durable choice for both new constructions and renovations.

Available in a wide range of colors and finishes, Echotrol™ High Impact Wall Panels enhance acoustics while adding a sophisticated look to any space. Their versatile design is compatible with different architectural styles, allowing for customization to meet specific aesthetic and functional needs.

With a commitment to sustainability and safety, these panels are constructed using eco-friendly materials and are fire-resistant, adhering to environmental and safety standards. Echotrol™ High Impact Wall Panels are the perfect solution for spaces requiring a blend of high acoustic performance, exceptional durability, stylish design, and environmental responsibility.




Formaldehyde-Free  
Acoustic Fiberglass Core

Resin-Free, No VOC MDF Hard  
Edge for Impact Resistance





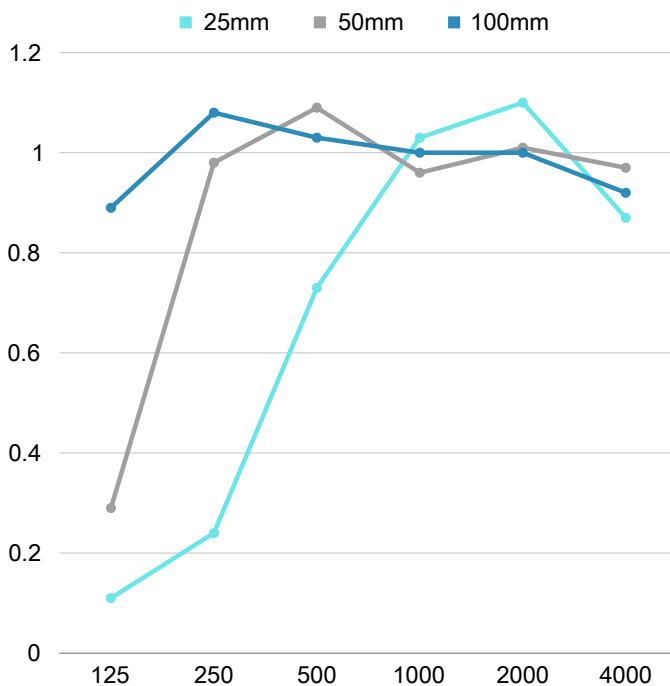
# TECHNICAL AND ACOUSTIC PERFORMANCE



		FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	NRC
1"	25mm	0.11	0.24	0.73	1.03	1.10	0.87	0.80
2"	50mm	0.29	0.98	1.09	0.96	1.01	0.97	1.0
4"	100mm	0.89	1.08	1.03	1.0	1.0	0.92	1.0

Noise Reduction Coefficient (NRC) is calculated by averaging the sound absorption coefficients of a material at four frequencies (250 Hz, 500 Hz, 1000 Hz, and 2000 Hz) as measured in a reverberation room according to ASTM C423 standards.

## KEY PROPERTIES



### High NRC

0.80 | 25mm  
1.0 | 50 & 100mm



### Canadian Made

Manufactured in Edmonton, Alberta since 1974



### Fire Resistant

Class A/1  
ASTM E-84 &  
CAN/ULC S102



### Moisture Resistant

<5% - ASTM C1104  
Pass - ASTM C1338  
Pass - ASTM 1304



### Safe

Mounting System  
Designed for Zero  
Probability Failures



### Recycled Material

Eco - Friendly  
LEED Friendly



### Customizable

Bespoke Shapes  
& Colours



### Simple Cleaning

Vacuum



### Weight

6 PCF Density  
96 kg/m<sup>3</sup>

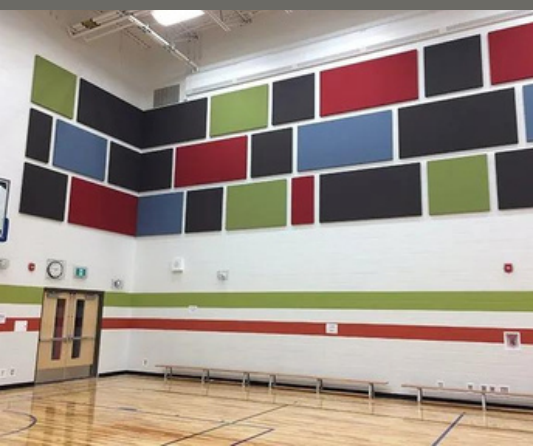


### Dimensions

Max. Grid Size:  
4' x 10'  
1220mm x 3050mm

## SUITABLE FOR

Schools, Gymnasiums, Multipurpose Rooms, Common Areas, Any Space at Risk of Impact, or Mounted at a Low Elevation.



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