

Noise Abatement Material

For many manufacturers, absorbing sound transmission without creating heat build-up around equipment is essential to their work environment. By employing effective materials and proven converting techniques, companies can improve the quality of industrial work areas without impairing the full ventilation required for machinery.

3M Acoustic Materials

3M™ Acoustic Curtains absorb sound generated by factory equipment. Made from 3M™ Acoustic Absorption Fiber Sheets enclosed in a 3M™ Non-woven Textile, the curtains are attached to a rigid frame with 3M™ Scotchmate™ Reclosable Fasteners.

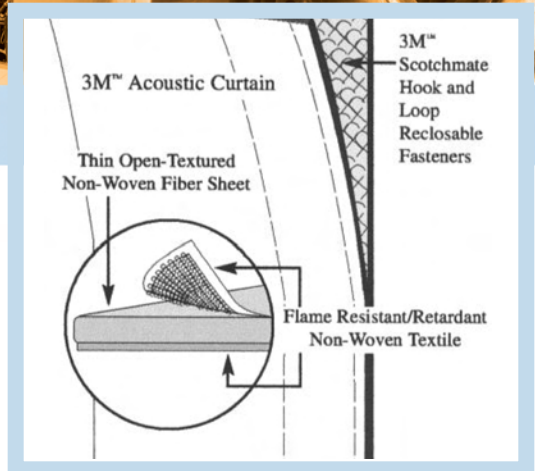
The curtains are flexible, but have high structural integrity, which helps resist sagging and eliminates the need for quilting. The curtains can also be used to create portable rooms for applications such as sandblasting and welding, eliminating the need for permanent wall construction.

This non-woven, fire-resistant/retardant textile passes “NFPA 701” fire test for flame resistant textiles and films.

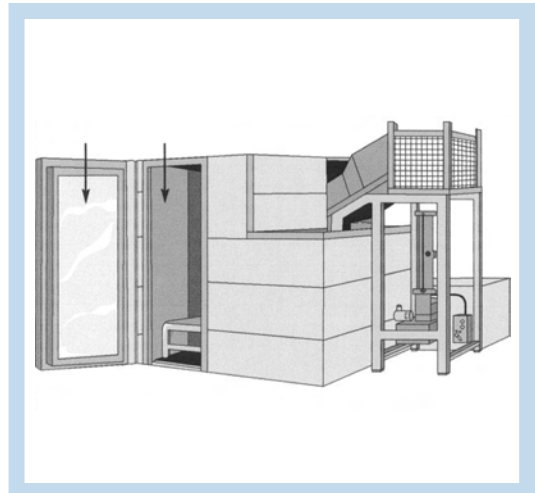
Fabrico Converting Capabilities

Fabrico’s broad range of cutting capabilities allow for accurate cutting or slitting of thick material. Fabrico utilizes its experienced design engineering team and a broad range of in-house converting equipment to provide custom flexible material solutions for unique size and shape requirements.

The CNC die cutting and wide web laminating system allows for the efficient cutting of flexible materials, offering both close tolerance cutting as well as optimal layout. Close nesting of parts also reduces costly material scrap and increases output. CNC Technology accommodates materials with thicknesses up to 1", making the system ideal for cutting many thick materials. The system accommodates a maximum of 324 square inches of die cutting space, with a maximum part size of 25" x 25". The computer assisted part nesting reduces



3M Acoustic Curtains are made from 3M Acoustic Absorption Fiber Sheets enclosed in a 3M Non-Woven Textile, attached to a rigid frame with 3M Scotchmate Reclosable Fasteners.



In addition to machinery noise abatement, 3M Acoustic Curtains can also be used to create portable rooms for applications such as sandblasting and welding.





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waste by rotating parts closer together and adjusting the die angle for optimal layouts.

Water Jet technology has little to no adverse effects on the material, eliminating the need for final finishing steps. A thin, ultra high-powered jet stream pressurized at 60,000 psi cuts a variety of material types with no mechanical or thermal influence on the material. Water Jet Technology accommodates materials as thick as 6", with sizes up to 48" x 96". The cutter has a repeatability of +/- 0.001" and an accuracy of +/- 0.005". Fabrico's water jet cutter uses digital programming to reduce set-up time and tooling required with other cutting systems. It also has the capability to cut using a 0.003" – 0.030" incision width, minimizing material waste.

Materials for both technologies include tapes, foams, rubber, laminates, and papers.

About Fabrico

Fabrico is the market leader in design and manufacturing services for flexible materials. By focusing on its customers' needs, Fabrico has developed a reputation for solving unique challenges and providing sound customer solutions.

The company offers a wide range of product design and engineering capabilities including custom die cutting, rotary die cutting, prototyping, manufacturing, and final assembly and kitting.

Fabrico provides design solutions for several applications, including bonding and sealing, electrical insulation, EMI/RFI shielding, vibration dampening, masking, and many others. This broad base of expertise allows for creative and integrated solutions with strict adherence to application requirements.

What is a 3M Preferred Converter?

As a 3M Preferred Converter, Fabrico receives the latest in material information and exclusive training from 3M, further enhancing their expertise in the design and custom fabrication of flexible materials.

This alliance blends 3M's high-value products with Fabrico's applications and manufacturing expertise to provide customers with the best solution for their application.



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