



Narrow Fabrics. Infinite Possibilities.

## **AEC Narrow Fabrics, Inc. Delivers Great Performances ...**

***For its Industrial, Medical, Automotive, Aerospace, Marine and Military Customers***

***At the IFAI Expo, November 6, 2012***

AEC Narrow Fabrics often appear in surprising places, enabling healing, harnessing wiring, in war zones and on training grounds, and in the manufacturing of products as different as surfboards and automobiles. AEC is known for its woven and knitted narrow fabrics that have the versatility to deliver very specific kinds of functionality when they provide the structure for stability and safety.

### ***A Casting Call for AEC Narrow Fabrics***

"Few people know that one of our bandaging narrow fabrics is used for 100 percent of an international medical supplier's polyester casting product," commented Gifford Del Grande, AEC Narrow Fabrics' Director - Specialty Products. "Our client saturates our fabric with a resin that dries, is packaged and ready for use when a broken bone needs a cast. Wetting the material softens the resin so the casting conforms to the proper shape for healing. The added benefit is that our polyester fabric doesn't itch - an added benefit for the patient wearing that cast."

### ***Harnessing Power***

The electronics, automotive and aerospace industries use narrow fabrics for wire harnesses that hold and protect special wiring assemblies that transmit electrical power or signals. Custom narrow fabric tapes and sleeves are made from specified fibers. They encase intricate configurations of electrical wiring or signals, simplifying the installation process and protecting these parts from abrasion, vibration, moisture or becoming snarled. Wire harnesses also simplify repairs; when something within an assembly needs repair, a new assembly is installed and there's no need to troubleshoot individual pieces of the assembly.

AEC Narrow Fabrics' ability to work with any type of fiber and create custom tapes and sleeves, advantages its customers that may be producing audio and visual products, luxury automobiles, planes and aircraft designed to travel in space.

### ***Facilitating Military Maneuvers***

Those who have more recently served in the U.S. Army and other military branches are familiar with "Molle" (pronounced like the woman's name) backpacks and rucksacks that are used to conveniently carry equipment. Narrow fabric woven tapes and webbing secure parts of the Molle equipment rucksacks and backpacks, offering soldiers more convenient ways of stowing and retrieving needed equipment. Camouflage has also been improved with digital printing of patterns on anything a

soldier wears or carries. These digital patterns effectively blend into the background making soldiers more difficult to see. AEC Narrow Fabrics has the rotary printing capabilities to print its tapes, webbing and elastics with 4-color, digital camouflage using its rotary printing capabilities. The Company also supplies materials to those who are making clothing and protective equipment for our soldiers.

***Surf's Up - and the surfboard stands up to the daunting power of the big waves***

Where are the narrow fabrics in the scenario of a surfer riding epic waves? Since elastics are a well-known narrow fabric, you might assume the surfer's swimwear is the answer. The surprise is that the surfboard has more narrow fabric in its fabrication than the surfer is wearing.

AEC's narrow fabrics offer an excellent substrate for the framework of surfboards, boats and many kinds of vehicles. Fabric's ability to mold to any shape, and absorb and hold specialized resins like polyester, vinyl and epoxy makes it an excellent framework. The combination of narrow fabrics with the specific filler resin yields a product with a combined strength that outperforms any of its raw materials. In vehicles, narrow fabrics with carbon fiber can assume virtually any shape and be transformed into hard, protective surfaces through a heat and vacuum process. Race car and luxury vehicle design have beautiful lines while protecting the occupants with carbon fiber.

For marine and boat manufacturers, the automotive industry and those seeking lightweight yet strong surfaces, AEC Narrow Fabrics provides great resources. Its Research and Development team is known for its ability to address new challenges - with new products or sometimes an ingenious tweak to an existing product.

Among the fibers AEC Narrow Fabrics offers its customers are: polyester, nylon, fiberglass, metallic and reflective yarns, carbon fiber, spandex, neoprene, rubber, cotton, polypropylene, rayon, aramid and polytetrafluoroethylene (PTFE).

*AEC Narrow Fabrics is a privately-held, narrow fabrics manufacturer with its headquarters in Asheboro, NC, manufacturing in Asheboro and Central America and worldwide distribution. Its products are used in the apparel, automotive, home furnishings, bedding, medical, military & first responder, industrial and recreational industries.*

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