



Performance Fabrics for High Temperature Applications Since 1978

Are your people and property exposed to extreme temperatures? Do you operate machinery and high energy systems that require custom insulation? Is your business the safe transport of hazardous or combustible materials? When you need extreme protection from heat and fire, the temperature is Newtex.

Since 1978, Newtex has been a pioneer and leading global producer of high temperature materials for thermal management and fire protection. Today, our performance materials are America's most widely used and trusted insulation and fire protection fabrics.

Our modern, 100,000 square foot, ISO certified textile mill has been manufacturing the highest quality, American-made technical fabrics for global industries for almost 40 years.



NEWTEX.COM/NPM



Made in the USA

Performance Materials

Your High Temperature Advantage for Thermal Management & Fire Protection

Newtex Performance Materials are woven into the fabrics of our cities. We are found on the backs, beneath the feet, and all around the people who melt, mold, build, and protect. Wrapping turbines, machinery, and piping systems, and safeguarding warehouses, hangars, and malls. We are known for our innovation and quality in textiles and coatings.



Fabrics

In 1978, we introduced Zetex® and ZetexPlus®, the first texturized glass fabrics to successfully replace asbestos. For over 40 years, these fabrics have been trusted by industry leaders for a broad range of applications with temperatures up to 3,000°F / 1650°C. Today, Zetex® and ZetexPlus® remain our top selling products. Our texturized glass fabrics, rayon, para-aramids, and blends are available with a variety of coatings, treatments, and laminations.



Tapes

Our high temperature tapes are commonly used to wrap pipes, hydraulic lines and exhaust systems. They are great for sealing, gasketing, lagging, insulation or encapsulation applications and won't shrink, stretch or unravel. Zetex® & ZetexPlus® tapes come in a variety of weights, thicknesses, and colors and can be ordered with Pressure Sensitive Adhesive (PSA). We also offer Z-Flex® Multilayer Aluminized, Z-Flex® Foil tapes, and Z-Rock™ Basalt tapes. Custom styles and sizes are available subject to order minimums, and many of our performance fabrics can be slit to specific widths.



Twisted & Braided Ropes

Our Zetex® twisted and braided ropes are commonly used in high temperature sealing and packing applications involving hot air, steam, water, fluids, or gases. Zetex® ropes are conformable and durable, resistant to most acids and alkalis, and won't shrink, stretch, or unravel. They can also be treated with a ZetexPlus® vermiculite coating for additional temperature and abrasion resistance.



Z-Flex® MLA Lamination

Our Z-Flex® Multilayer Aluminization (MLA) lamination process can be applied to any Newtex fabric, including custom fabrics and is also available as a toll service. In side-by-side comparisons against competitive aluminized fabrics, Z-Flex® outperforms in both durability and Radiant Protective Performance (RPP).



Performance Coatings

We offer more than 20 standard coatings and treatments, including proprietary formulations of Vermiculite, Acrylic, and Polyurethane. The right coating or treatment can increase resistance to liquids, vapors, chemicals, abrasion and UV light. Heat treatment and most coatings eliminate airborne fibers and improve fabrication. Custom formulations are available.

Case Study: Newtex Developed a Wire Reinforced Fabric for a Major Smoke Curtain Manufacturer

A leading manufacturer of fire & smoke curtains needed a material for their fire-rated curtains that could withstand extreme heat and flames for 1+ hours. Curtains made from ordinary glass fabrics are generally rated for only 20 minutes, so they needed something that was coated and wire reinforced to meet these more stringent standards. We developed Z-Block™ F-620 Wire Reinforced fabric specifically for this application.

Z-Block F-620 is woven from lightweight filament yarn and stainless steel wire and then coated with our proprietary Z-Block™ FS coating to resist fire, smoke, weather conditions, and extreme temperatures up to 1800°F / 980°C.

Newtex has supported fire & smoke curtain manufacturers involved in architecture, theaters, and industrial spaces for more than two decades.