



Custom Insulation & Fire Protection Solutions

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. Our Engineered Systems division couples the expertise we've gained in material science and thermodynamics with intellectual capital in design and fabrication to deliver custom fire curtains, fire containment systems, heat shields, and insulation systems.

For nearly 40 years, the world's largest organizations have trusted Newtex to keep them safe.



NEWTEX.COM/NES



Made in the USA

Engineered Systems

Custom high temperature solutions built through experience & collaboration

Understanding all of the nuances of thermal challenges and fire risk is our business. Our intellectual capital and extensive fabrication experience deliver best-in-class products uniquely suited for any high temperature challenge.



FireCape™ Fire Containment Covers (FCCs)

Our TSO-C203 approved FireCape™ FCCs are designed to contain a cargo fire for 6+ hours. The system exceeds performance standards set by the Federal Aviation Administration (FAA), the European Aviation Safety Agency (EASA), and leading cargo carriers. The FireCape™ is durable, flexible, lightweight, and weather resistant.



Z-Block™ Fire Containment Bags (FCBs)

The Lithium-Ion batteries used to power personal electronic devices (PEDs) like laptops and smart phones can go into thermal runaway and spontaneously ignite. Our durable, easy to use fire containment bags will prevent a battery fire from spreading. This product is commonly used aboard aircraft and in storage facilities.



Z-Block™ Fire & Smoke Curtains

We fabricate custom deployable partitions and static draft curtains designed to contain fire and channel smoke. These custom curtains are commonly used in warehouses, hangars, and malls.



ZetexPlus® Proscenium Fire Curtains

Designed specifically for theaters and public performance areas, our ZetexPlus® Proscenium Fire Curtains contain fires for safe evacuation while keeping your facility up to code. They are listed and approved by the California State Fire Marshal's Office and the New York City Department of Buildings.



Insulation Systems

Our insulation products for machinery, turbines, and piping systems protect workers from high temperatures while reducing heat loss and increasing efficiency.



Z-Flex® Heat Shields

Z-Flex® heat shields are the most effective radiant heat protection available, reflecting up to 95% of radiant energy to keep your people and equipment protected from furnaces, flames, and heat in extreme environments. Z-Flex® heat shields are commonly used in industrial plants and military vehicles.

Case Study: Newtex FCCs mitigate risk in US Navy Aircraft Carriers

The US Navy was concerned with the risk of fire associated with potentially flammable material waste stored in hangar bays. Collections of rags, used chemical containers, solvents, and cleaning agents were collected on pallets and placed below deck on the Navy's newest and most advanced aircraft carriers.

In consultation with NavSea and NavAir, Newtex designed and delivered several sizes of custom fire containment covers (FCCs) to reduce the risk of flammable material storage.

The Navy FCCs are made with Z-Block™ fabrics which can contain fire and smoke for 6+ hours. The units are weather resistant and capable of handling temperatures up to 1800°F / 980°C.

Newtex FCCs are proudly protecting sailors in both the Atlantic and Pacific fleets.