

FIRECAPE® FIRE CONTAINMENT COVER



TSO-C203 APPROVAL FROM THE FAA

We applied our nearly 40 years of experience in advanced fire protection materials and coatings to develop the TSO-C203 approved FireCape® Fire Containment Cover (FCC). The FireCape® isolates a cargo fire to a single pallet for 6 hours, providing the flight crew with valuable time to land safely. The FireCape® is constructed from Newtex's Z-Block™ fire and smoke stopping fabric which exceeds the performance standards set by the Federal Aviation Administration (FAA), the European Aviation Safety Agency (EASA), and leading cargo carriers. In addition to providing significant risk reduction for cargo transport, the FireCape® is lightweight, durable, and easy to deploy and maintain.

Design Features

The FireCape® features a cross-shaped design with overlapping corners for compatibility with irregular loads and for easy deployment and removal. The system is also specifically engineered to fold into a small and manageable rectangle when not in use.

Fabricated from technologically advanced Z-Block™ F-407 SOC fabric and maximum strength, high temperature threads, these units can withstand even the most extreme conditions. Z-Block™ F-407 SOC fabric is a fire and smoke resistant fiberglass material featuring a proprietary silicone overcoat for added durability. Z-Block™ is water-tight, puncture resistant, and durable. It provides extended protection from extreme heat and flames caused by challenging fuel sources, like Lithium-Ion batteries.



System Benefits

- Will not burn, melt, or allow flame penetration
- Resistant to molten metal burn-through
- Withstands temperatures up to 1800°F (980°C)
- Will not produce toxic outgassing
- Water tight and chemical resistant
- Will not support growth of mold, fungi or bacteria
- Unaffected by extreme temperature or UV
- Abrasion, puncture, and tear resistant
- Soft and pliable making it easy to handle, fold, and unfold
- Easily conforms to irregular loads, always creating a tight seal
- Easy to store, maintain, clean and repair as needed
- Designed, manufactured, and tested in the United States

Sizes

The FireCape® is available in 3 standard sizes. Custom sizes are also available upon request.

Option 1	Size: 126" x 98" x 64" 320 x 249 x 163 cm Weight: 40 to 45 lbs / 18 to 20 kg
Option 2	Size: 126" x 98" x 96" 320 x 249 x 244 cm Weight: 50 to 55 lbs / 23 to 25 kg
Option 3	Size: 126" x 98" x 118" 320 x 249 x 300 cm Weight: 60 to 65 lbs / 27 to 29 kg
Custom Option	Custom sizes are available. Custom sizes are not TSO approved. Minimum order requirements apply.

* Weight will vary with actual size and hardware requirements.
 ** For a container with a net, add 30 lbs to weight.

Testing & Certifications

Z-Block™ materials and the FireCape® Fire Containment Cover meet or exceed the following standards:

Standard	Description
TSO-C203	FAA Fire Containment Cover Certification
ISO 14186 / SAE AS 6453	Full Scale Box Burn
ISO 12236	Static Puncture Test
FAR 25 Appendix F Part III	Flame Penetration Resistance
FAR 25 Appendix F Part IV	Heat Release Rate
FAR 25 Appendix F Part V	Smoke Density
ASTM D6413	Vertical Flame Resistance
ASTM E-84	Surface Flame Spread and Smoke Density
ASTM F-955	Molten Metal Resistance
ASTM E-119	Furnace Tested
UL 1784	Smoke Penetration
BSS 7239	Non-Toxicity of Products of Combustion

Additional Features

- Designed to be used with a standard TSO-C90 certified cargo net
- Locking net connectors
- Folding instructions and a training video available

More About Z-Block™

Z-Block™ coating and substrate fabrics were originally designed to channel smoke and prevent the spread of fire in hangars, theaters, and large public gathering spaces. In 2007, after a series of incidents in which improperly stored hazardous cargo resulted in devastating tragedy, the engineers at Newtex collaborated with aviation experts, airline safety officials, and major shipping companies to optimize Z-Block™ for use in the cargo fire containment.



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For nearly 40 years, Newtex has been a pioneer and leading global producer of high temperature materials and engineered solutions for thermal management and fire protection. Headquartered in Rochester, New York, Newtex is an ISO 9001:2015 certified, vertically integrated manufacturer of an impressive portfolio of textiles and fabricated systems for insulation and fire containment. Globally recognized textile brands include ZetexPlus®, Z-Flex®, and Z-Block™. Newtex is a minority owned, veteran-managed business that has served the US Military and leading global industries since 1978. Newtex products are proudly made in the USA.

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