

## FIRECAPE™ FIRE CONTAINMENT COVER



### TSO-C203 CERTIFICATION FROM THE FAA

The FireCape™ Fire Containment Cover (FCC) provides peace of mind by significantly reducing the risks associated with cargo fire caused by hazardous materials like Lithium-Ion batteries. Newtex and Trip & Co. collaborated to develop this FCC designed to contain a cargo fire for at least six hours without relying on suffocation of the fire. The FireCape™ is constructed from Newtex's Z-Block™ fire and smoke stopping fabric which exceeds the performance standards set by Federal Aviation Administration (FAA), 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. Fabricated from the most technologically advanced fabrics available and maximum strength, high temperature sewing threads, these units can withstand even the most extreme conditions.

The FireCape™ is made with Z-Block™ F-407 SOC fabric, a high temperature fire and smoke resistant fiberglass fabric featuring a proprietary silicone overcoat. 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 surface flaming or 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. Minimum order requirements apply. Contact us for more information.

\* 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
<b>TSO-C203</b>	<b>FAA Fire Containment Cover Certification</b>
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 optimized Z-Block™ to effectively contain the most severe cargo fires. We collaborated with aviation experts, airline safety officials, and major shipping companies to develop and perfect Z-Block™ for use in the FireCape™ Fire Containment Cover.



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For nearly 40 years, Newtex has been a pioneer and leading global producer of high performance materials and engineered solutions for thermal management and fire protection. Headquartered outside of Rochester, New York, Newtex is an ISO 9001:2008 certified, vertically integrated manufacturer of an impressive portfolio of heat and fire resistant fabrics, tapes, personal protective apparel, and custom high temperature solutions. We are a minority owned, veteran-managed business that has proudly served the US Armed Forces and leading global industries since 1978. Newtex products are proudly made in the USA.



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