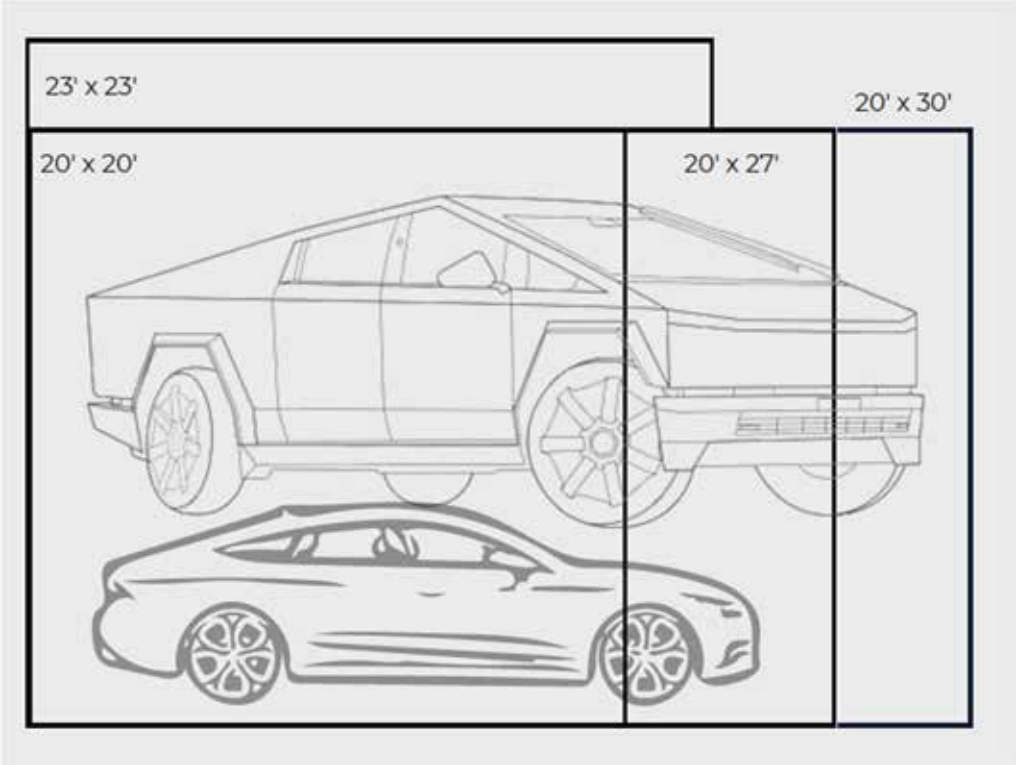
Li-Fire
Fire Suppression Solutions

# LI-FIRE SURPRESSION BLANKET PRODUCT INFORMATION

A COMPREHENSIVE OVERVIEW TO OUR PRODUCTS
INCLUDING MANUAL, FAQ'S, PRODUCT SPECIFICATIONS & TESTING.




# PRODUCT MANUAL & GUIDE

## LI- FIRE EV FIRE BLANKETS & COVERS

A QUICK GUIDE TO INFORMATION & USAGE OF OUR

INDUSTRIAL Safety INC.

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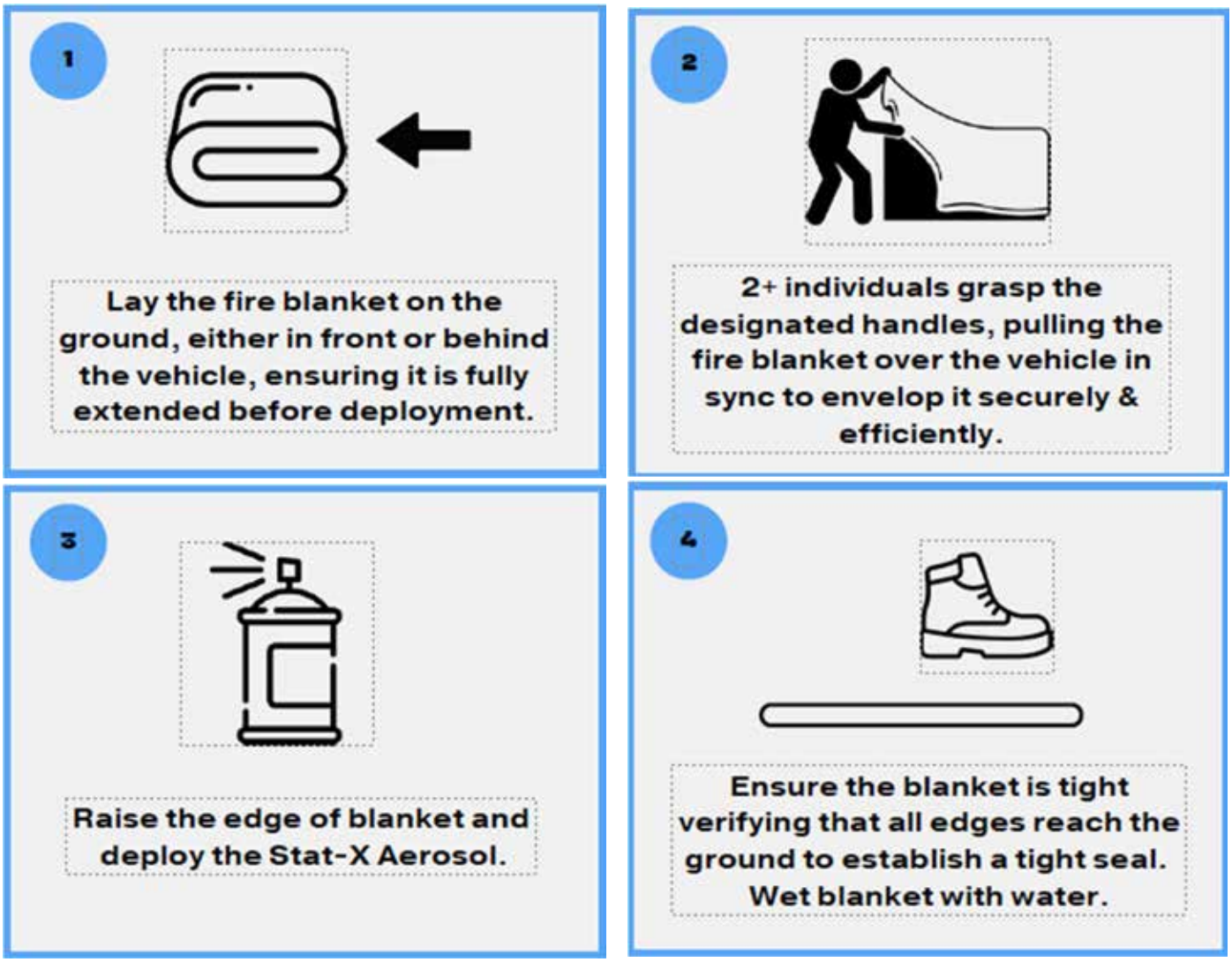
# USING OUR PRODUCTS

Li-Fire EV Fire Blankets

The Li-Fire EV Fire Blanket is a supplemental safety tool and should be used as part of a broader fire safety protocol. Always ensure emergency services are contacted in the event of a fire and follow local safety regulations.

Only deploy the blanket independently if you are in a life-threatening situation and immediate action is necessary. In all other cases, wait for first responders to arrive and allow trained professionals to handle the deployment safely.




**If Possible, monitor with a thermal camera before removing blanket.**

# PRODUCT APPLICATION

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FOR OUR EV & LITHIUM- ION BATTERY BLANKETS

| Dimensions | Possible EV Coverage |
|---|---|
| 20 'x 30' | Trucks, Small Buses, Vans, All EV's |
| 20' x 27' | Trucks, Small Buses, Vans, All EV's |

## FAQ'S

### MAX TEMP OF BLANKETS?

The maximum temperature resistance of the blanket is 3,200 degrees, and it can maintain this for 20 minutes. However, the aid of a fire hose will increase the surface temperature to 4,000 degrees, with no noticeable decline after 45 minutes.

### HOW DO WE DEPLOY THE BLANKET IN A TIGHT AREA?

Each deployment of the EV fire blanket is going to require a unique approach. No two EV fires are the same. It's going to take training and best practices to figure out different scenarios of deployment depending on your application.

### WHAT IS THE SHELF LIFE OF LI-Fire's PRODUCTS?

The shelf life of Li-Fire's products is typically 5 years. However, blankets must be inspected every 2 years (preferably every year) for any damage to the material. Be aware if the blankets are exposed to frequent climate/weather changes this may shorten their shelf life.

### WHAT IS THE MAINTENANCE REQUIRED FOR THE BLANKET?

The blanket is best kept in a dry place away from direct sunlight. It should be inspected every three years for creases and damage to the fibers.

### WHAT HAPPENS POST FIRE?

The battery should stay contained within the blanket and monitored with a thermal imaging camera until the temperatures have reached a safe point.

# 3RD PARTY CERTIFICATION

**FOR ALL EV FIRE BLANKETS, COVERS, & CASES**

HIGHLIGHTS OF THE RIGOROUS TESTING OF OUR PRODUCTS

## Li-Fire Suppression Solutions, Industry Leaders in EV Fire Safety

Li-Fire provides top-tier fire safety products for electric vehicles, rigorously tested to ensure unmatched performance. Our products are certified under ISO 9001:2015, EN 13501-1:2018, NFPA 701:2019, and EN 1869:2019, reflecting our commitment to quality and safety. You can trust Li-Fire for robust and technically advanced fire suppression solutions.

| CERTIFICATION | INSIGHTS |
|---|---|
| ISO9001:2015 | Quality Management System Certification, ensuring our manufacturing processes meet the highest standards. Li-Fire is proud to be at the forefront of our industry. |
| EN13501-1:2018 | The Li-Fire EV Fire Blanket, tested under EN 13501-1:2018, achieved an A2-s1, d0 classification, indicating excellent fire resistance, limited smoke production, and no flaming droplets. |
| NFPA701:2019 | The Li-Fire Car Fire Blanket, tested under NFPA 701:2019 by TÜV SÜD, passed Test Method 1, meeting all fire safety requirements with an average weight loss of 0.9% and no fragments continuing to burn. The blanket, composed of fiberglass and silicone-coated material, demonstrated compliance with fire propagation standards for textiles. |
| EN1869:2019 | Another Fire Blanket Certification, validating Li-Fire's effectiveness in fire suppression. |

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## Live Fire Burns & Demo Testing

Li-Fire has successfully conducted 11 live fire burn tests in collaboration with prestigious fire departments and fire safety organizations, including Miami-Dade Fire Rescue, Buffalo NY Fire Department, City of Scottsdale Fire Department, Florida State Fire College, International Fire Chiefs Association, Florida Fire Marshal and Inspection Association, State Fire Marshal, the Office of the Florida CFO, Bureau of Fire Standards and Training, and the Florida Fire Chiefs Association. These tests showcase our commitment to rigorous real-world evaluations to ensure the highest levels of safety and effectiveness for our fire suppression products.

## Controls/Tests Used

- Temperature Monitoring
- Flame Spread Analysis
- Smoke Production Measurement Material Integrity Testing
- Real-Time Response Simulation

## Product Materials & Specs

Li-Fire's own FiberWeave™ technology combines ultra-fine glass and silicone into a proprietary heat-resistant weave. The pinch welded and Kevlar stitched seams are designed and tested to withstand the intense heat.  Our blanket provides the barrier needed to contain the flames, smoke, and toxic fumes caused by a Li-ion battery incident. This robust design allows for the rapid containment of flames, smoke, and toxic fumes in vehicle fires. Available in various sizes, including 20'x30', 20'x27', 23'x23', 20'x20', 16'x16', 6'x6', and 3'x3'.

## Highlights

- Proprietary EV Fire Materials
- Corrosion-Resistant Materials
- Documented & Tested
- Multiple/Custom Sizes
- Durable but Lightweight

# PRODUCT BREAKDOWN

## FOR ALL EV FIRE BLANKETS, COVERS, & CASES

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**Product Material:**
- Ultra-fine glass fiber
- Two-side silicone-coated

**Product Size* Standard**
20'x30'  20'x27'  23'x23'
20'x20'  16'x16'  6'x6'  3'x3' + MORE

**Weave Type:** Plain/Twill/Satin

**Packing:**
Grey PVC Bag Customized/Standard

**Thickness:** 0.45-0.48mm

**Weight:** 480g/m2

**Heat Resistance:**
Standard - 1000-2000°F
Heavy Duty - 2500-3500°F


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