



EFFECTIVE |

SAFE | SUSTAINABLE |

THERMAL SHIELD EXTINGUISHERS



The Ultimate Defense Against Unstoppable Lithium-Ion Fires

Lithium-ion batteries are everywhere—powering the devices and systems we use daily. But when damaged, improperly charged, or stored, these batteries can overheat, ignite, and even explode. Thermal Shield is the all-natural, non-toxic solution for combating these dangerous fires. Designed specifically to prevent thermal runaway, it cools and extinguishes lithium-ion battery fires without harmful chemicals, while ensuring safety for first responders, people, and the environment. Stay prepared with Thermal Shield—the safe and effective way to tackle lithium-ion battery fires.

knightfirespecialists.com



Thermal Shield

The All-Natural, Go-To Solution for Lithium-Ion Battery Fires

Q: How do you get Thermal Shield into the batteries?

Responding fire departments typically arrive on scene within 5-8 minutes. By that time, the battery has often burned through the floorboard. Handle the situation as a normal vehicle fire—suppress the flames, and once knocked down, inject Thermal Shield's patented plant-based solution into the burned area. Less than 5 gallons of Thermal Shield has been proven to stop EV thermal runaway.

Q: Can I get shocked while using Thermal Shield?

No. Thermal Shield is non-conductive, ensuring the safety of firefighters by protecting them from electrical shock.

Q: How do we handle runoff after contact with hazardous materials?

Thermal Shield's efficiency means that typically 5 gallons or less is needed to handle EV thermal runaway events. Standard absorbents carried on fire apparatus will be more than enough for cleanup.

Q: Is Thermal Shield safe for water bodies like rivers, lakes, and streams?

Yes! Thermal Shield's formula is 100% safe for humans, animals, and aquatic life. Our plant-based solution is environmentally friendly.

Q: Will Thermal Shield damage fire pumps, sprinkler systems, or other equipment?

No. Thermal Shield is non-corrosive and has been lab-tested on brass, copper, stainless steel, and ferrous metals, with no corrosive impact. Its neutral pH of 7.0 guarantees equipment safety.

Q: How do we refill an extinguisher with Thermal Shield?

Refilling is simple! We provide pre-measured 2.5-gallon refills—just pour it in, recharge to the correct PSI, and you're good to go. No need for mixing or measuring.

Q: What is Thermal Shield's shelf life?

Thermal Shield is lab-tested for a minimum 10-year shelf life, ensuring long-term reliability.

Q: Can Thermal Shield be used in engine AB tanks?

Absolutely. As EVs become more common and regulations phase out internal combustion vehicles, fire departments may want to designate or add a "C" tank for Thermal Shield. It can also be used in your existing A or B tanks as EV demographics shift across the U.S.



Learn More



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Features

- Stored pressure design
- Stainless steel cylinders
- All metal valve construction

Specifications

Brand: Knightfire Thermal Shield
Range: Approximately 15 ft deployment

Material

Cylinder: SUS304
Nozzle: Open bore

Product Details

Height: 24 in
Diameter: 7 in
Thickness: 0.04 in
Capacity: 2½ gal
Weight: 34 lb

SDS Info

