CATALOGUE

Electric mobility

TEXfire
TECHNICAL FABRICS

our vision.

Texfire provides advanced textile fire protection solutions specifically developed to control and combat fires in electric vehicles. All our products are rigorously tested to ensure reliable performance based on material effectiveness. With over two decades of expertise in fire blanket development, Texfire is committed to continuous innovation, with the aim of creating increasingly efficient, sustainable, and competitive textile solutions.

Texfire is the only blanket manufacturer in Spain, where we develope and manufacture the blanket, from the fabric until the final product, ready to be used.




We welcome you to visit our facilities in Barberà del Vallès.

PRODUCTS

Texfire offers a range of high-performance fire blankets designed to contain and control fires in electric vehicles powered by lithium batteries. Each blanket is uniquely developed using specialized textiles and manufacturing techniques tailored to its specific application, as thermal demands may vary. Engineered for rapid response, our blankets are lightweight, durable, and effective in minimizing fire and smoke hazards associated with electric mobility. Discover more about each product below.

CAR FIRE BLANKET

more info...

The Texfire car fire blanket is designed to contain flames and smoke in car fires, whether the vehicle is powered by gasoline, hydrogen, or lithium batteries. Built for rapid deployment and enhanced with increased mechanical resistance, it provides essential protection by limiting the spread of intense heat and flames.

Available in:

9x6 m	10x8 m
WEIGHT: **28 kg**	WEIGHT: **39 kg**

E-MOTO FIRE BLANKET

more info...

The Texfire E-Moto fire blanket is developed to control fires in electric motorcycles and bicycles. Its durable, lightweight design ensures easy handling and effective control of fire and fumes in a variety of environments.

Available in:

6x4 m
WEIGHT: **12 kg**

E-SCOOTER FIRE BLANKET

more info...

The Texfire E-Scooter fire blanket is specifically designed for electric scooters. Its compact, lightweight construction allows for easy storage and quick deployment, effectively reducing the risk of fire spread and explosions in confined urban spaces. This blanket is also engineered to contain battery cell projections.

Available in:

4x4 m
WEIGHT: **7,5 kg**

BATTERY FIRE BLANKET

more info...

The Texfire Battery Fire Blanket is a safety element specifically designed for use by battery manufacturers. Its reduced dimensions and ultra-weighted perimeter allow this blanket to be used in confined spaces, such as inside a workshop, deployed by one person. Made from a multilayered combination of fabrics, it offers high thermal insulation and an effective fire barrier, mandatory when in contact with a direct cell fire.

Available in:

2x2 m

WEIGHT: **7,5 kg**

E-SCOOTER SAFETY BAG

more info...

The Texfire E-Scooter Safety Bag is a solution developed to contain flames, burning battery cells, and a significant amount of smoke in the event of an electric scooter fire. This safety bag is designed to be used during scooter charging as a passive preventive safety device. It can also serve as a transport bag and is compatible with most scooter models on the market. Constructed from a combination of multilayered fabrics, it provides enhanced protection and durability.

WEIGHT: **4,5 kg**

CUSTOMIZED BLANKET

Texfire provides custom-made fire blankets, to fit every specific need. Using a range of diferent fire resistent fabrics and combinations, múltiple sewing threads and unique sizes up to 200m2. Contacte our Technical team to know more about customized blankets.

CUSTOMIZED COVER

more info...

Texfire manufactures custom-made covers, protections, and cases, for battery transportation or quarantine, using a variety of high-performance technical fabrics and accessories to provide tailored solutions for every specific need. Designed to withstand extreme temperatures and mechanical stresses, these covers meet the rigorous requirements of each project and industry sector. Contact our Technical Team to learn more about custom options for your specific application.

BLANKET SIZES

Contact our technical team to learn more about custom blankets

CERTIFICATIONS

In 2024 there is currently no official harmonized standard at the European level governing the classification and use of fire blankets specifically designed for lithium battery or electric vehicle fires. Texfire has chosen the most responsible approach by certifying and testing its materials and components to meet the most stringent and relevant tests for this application area. Texfire works with accredited external laboratories to achieve certifications and conduct rigorous internal testing to validate the performance of all our batches produced.

Texfire's stance is clear: we fully support the regulation and certification of this type of safety product, and thats why we internally test all our batches.

UNE EN 13501-1

The UNE EN 13501-1 certification classifies materials based on their fire safety performance, making it easier to choose suitable materials for fire-prone environments. Materials meeting this standard are evaluated for their fire resistance, ability to minimize smoke, and prevention of flame spread. This classification helps ensure compliance and safety in construction and material usage in settings where fire protection is essential. Texfire has oficial certifications for the fabrics used to manufacture blankets.

UNE EN ISO 15025

The UNE EN ISO 15025 standard specifies requirements for assessing the flame resistance of fabrics used in protective clothing. It specifically describes the test method for determining the flammability of materials exposed to a controlled flame, allowing the measurement of fabric behavior in response to fire. This standard applies to protective garments used in workplaces where fire exposure is a risk and includes the evaluation of the durability of the fabric's flame-resistant performance. Internal quality control test.

UNE-EN ISO 9151

The UNE EN ISO 9151 standard defines a testing method to evaluate the heat resistance of materials used in protective clothing against flames. The test measures the time it takes for heat to transfer through a material when exposed to a high-temperature heat source. This assessment ensures that the material provides adequate insulation for the user, particularly in industrial environments with intense heat. Internal quality control test.

UNE EN ISO 6942

The UNE EN ISO 6942 standard assesses material resistance to radiant heat using two methods: one measures heat transfer through the material, and the other examines protection performance under exposure. It is essential for evaluating fire protection materials, especially in workwear for high-temperature environments. Internal quality control test.

ADVANTAGES AND INNOVATIVE FEATURES

Key benefits of using a fire blanket for electric vehicle and lithium battery fires

- **Compatible with other fire suppression systems:** Easily integrates with existing fire control solutions to enhance overall safety.
- **No specialized training required:** Simple and intuitive to deploy, enabling rapid response in emergency situations. Can be deployed without training.
- **No expiration or maintenance required:** Designed for long-term reliability without the need for regular upkeep.
- **Enhances firefighter safety:** Provides an additional layer of protection, allowing emergency responders to operate more securely.
- **Reduces fire intensity:** Effectively limits the aggressiveness of the fire, controlling the spread of flames.
- **Minimizes radiant heat:** Helps lower the level of heat emitted, reducing risks to nearby personnel and equipment.
- **Contains incandescent projections:** Prevents the spread of sparks and hot fragments, reducing secondary ignition risks.
- **Captures a significant amount of smoke and volatile particles:** Improves air quality around the fire, mitigating exposure to harmful particles, one of the main worries fot he fire brigades in this type of fires.

Key parts of a fire blanket

STRUCTURAL FABRIC

The choice of structural fabric in the blanket is a critical factor in its performance. This component determines the temperature resistance, weight, and mechanical strength of the blanket. Through extensive experience gained from conducting over ten field tests with real fires, we have learned that no single fabric is universally suitable for all situations. Each case requires a careful assessment to identify the fabric that best meets specific operational needs.

HIGH-TEMPERATURE POLYMER COATING

Texfire blankets feature a special coating designed to facilitate positioning during deployment by allowing the blanket to glide smoothly over the vehicle. This coating also serves a crucial secondary function: it helps retain a significant portion of smoke and volatile, carcinogenic particles generated by such fires. However, the coating cannot be completely impermeable, as this would create a hazardous “bubble effect” from trapped smoke buildup.

DEPLOYMENT SPEED

Texfire blankets can be deployed quickly and effortlessly, an essential feature in emergency situations where a rapid response is required. This swift deployment capability enables immediate action to contain the fire and prevent its spread, optimizing intervention during critical moments. No specific training is required to effectively use this blanket.

FIRE-RESISTANT AND REINFORCED SEAMS

The seams of the blankets are another crucial aspect of their performance. As a potential weak point, they must be engineered and executed with the utmost precision. Texfire blankets are constructed with fire-resistant threads and reinforced to withstand demanding mechanical and thermal requirements, ensuring that the blanket maintains its integrity during fires, even in areas under tension, thereby providing consistent and reliable protection.

EXTRALARGE HANDLES

Each blanket model includes fire resistent handles tailored to the blanket’s size and weight to facilitate proper positioning. These handles allow for safe and ergonomic handling, enabling the deployment and placement of the blanket by one or two individuals, with or without protective equipment.

IDENTIFICATION LABEL

Each blanket incorporates an identification label that ensures traceability and provides essential product information. This label is critical for preventing counterfeits and guarantees the manufacturer’s authenticity, as well as ensuring compliance with all required standards and certifications.

FIELD TEST, WORKSHOPS & FIREDRILLS

Texfire has conducted field tests in collaboration with fire brigades, emergency services, and battery manufacturers to validate and continually improve products for electric mobility. We are open to new testing opportunities with any client interested in verifying the performance of our materials. This approach allows us to rigorously validate our materials and evolve our solutions. Many of our final designs are the result of invaluable experience, insights, and feedback from firefighters and battery manufacturers themselves.

Nov 6, 2023
Apr 15, 2024
Nov 7, 2024

BARBERÀ DEL VALLÉS

Mar 16, 2022

REUS

Sep 28, 2023

ASTURIAS

Jul 12, 2024
Oct 18, 2024
CASTELLOLÍ

May 9, 2024
VALDEMORO

Aug 27, 2024
VIENA

Sep 23, 2024
ZARAGOZA

Oct 8, 2024
VALLADOLID

Find out more tests here

@texfire.official

Contact details:
C/ Llobateres, 29 - Pol. Ind. Santiga
08210 Barberà del Vallès (Barcelona)

T. 93.719.48.14 / F. 93.719.33.41
info@texfire.net / **www.texfire.net**

TEXfire
TECHNICAL FABRICS