

FIRE SAFETY

2026

CERTIFIED
DIN SPEC
91489:2024



PADTEX
INSULATION

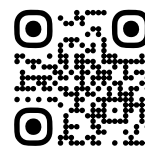


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Compliance with
DIN SPEC 91489:2024-11
ensuring:

- **Heat Resistance Test:**

Withstands temperatures up to 1000°C

- **Tear Strength Test:**

Ensure material durability under stress

- **Flame Penetration Test:**

Withstands direct and indirect flame exposure without allowing any flame penetration.

This specification helps establish a reliable benchmark for fire blankets, aiding emergency responders and EV users in choosing appropriate products for fire containment during battery-related incidents.

Certified according to
NFPA 701-2019 Test Method 2

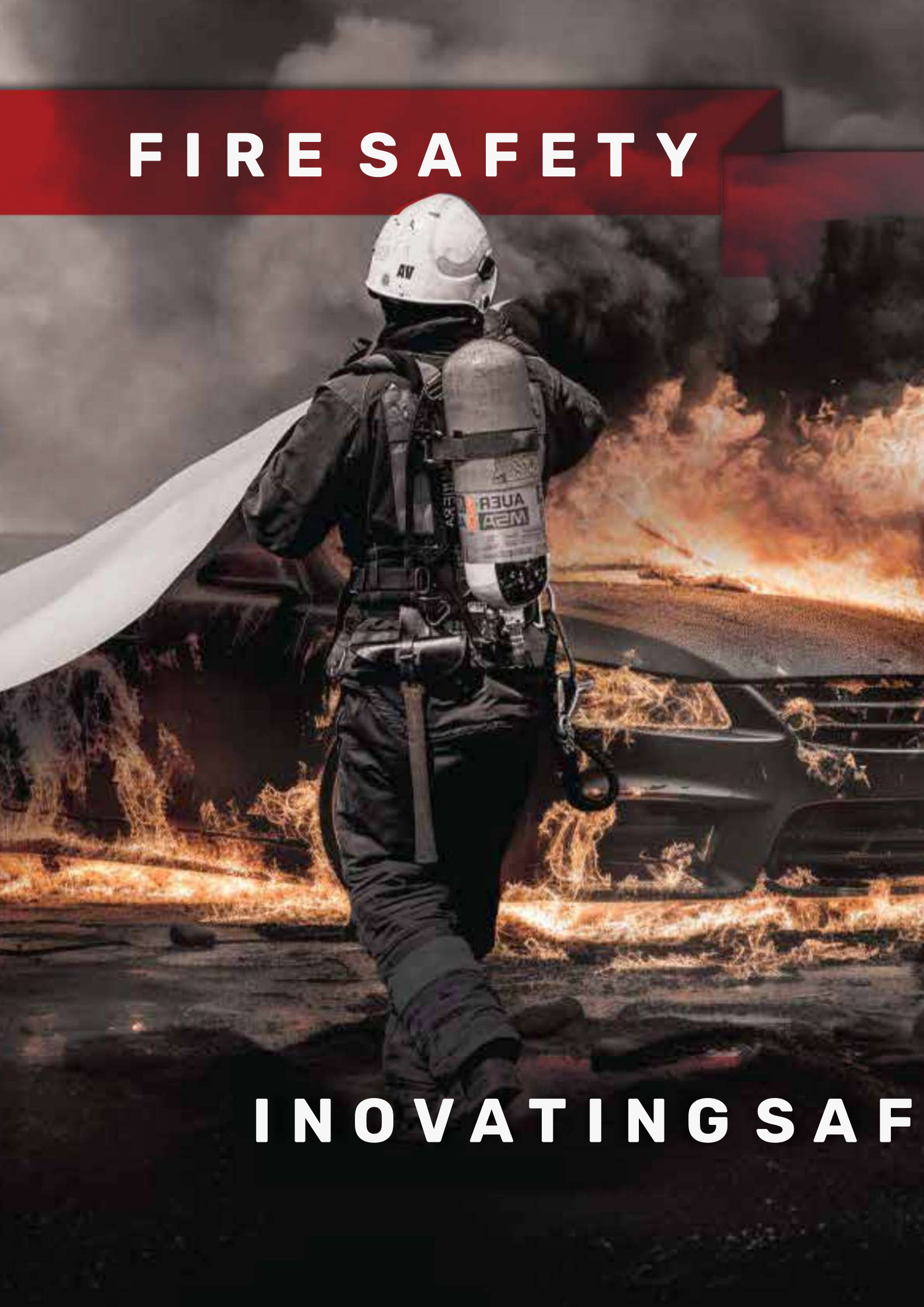
The **NFPA 701 Test Method 2** verifies that materials meet strict fire safety requirements, including:

- Maximum flame spread (char length): **≤ 435 mm**
- **After-flame time:** ≤ 2 seconds after ignition source removal
- **Flaming debris:** No burning droplets or debris continuing to burn for more than 2 seconds

These results demonstrate the strong fire resistance and reliability of **Padtex Insulation** products.



FIRE SAFETY



INOVATING SAF



PROTECTING LIVES

ETY



Electric vehicle fire blanket is the best, most effective and safest solution for fire control in all types of vehicles.



PRODUCT INFORMATION

Designed for effective fire suppression, especially for vehicles including electric, hybrid, petrol, and diesel-powered models.

It quickly controls fires by cutting off the oxygen supply and preventing the spread of flames, smoke, and toxic gases.

KEY FEATURES

- **Durable and Heat Resistant**
withstands extreme temperatures up to 1300°C
- **Size options**
suitable for all types of vehicles (cars, vans, EVs, etc.)
- **Ease of use**
requires just two people to deploy
- **Environmental benefits**
minimizes hazardous gas spread and is sustainable for multiple uses

Keep the blanket in a dry, cool place away from direct sunlight, moisture.

CERTIFIED TO MEET INDUSTRY SAFETY STANDARDS

S-LINE



D-LINE



Certified according to
NFPA 701-2019 Test Method 2



Input material in accordance with
DIN SPEC 91489:2024-11

According to:

LVS1071:2022 | EN13501-1 | ENISO1716 | EN13823





HOW TO USE



CALL FIREFIGHTERS!

TWO PEOPLE
open the blanket



Make sure
ALL SIDES ARE
CLOSED
AROUND THE CAR



PULL the blanket
OVER THE CAR



STEP AWAY
from the car and wait
at least
30 minutes

FIREFIGHTERS
remove the blanket



FIRE IN ELECTRIC VEHICLES

Usable in various situations

Follow steps 1-3. After the fire blanket has been placed tight to the ground, **wait 2-3 minutes and listen.** If you can hear strong fuzz sounds about every 3-15 seconds, you have a thermal runaway. **Leave the fire blanket on until the sound stops.** This is a small fire that goes from cell to cell. The fire blanket will prevent the small fire from spreading to other vehicles, buildings and structures.

TYPES OF CARS AND FIRE BLANKET SIZES

CATEGORY	EXAMPLES	RECOMMENDED FIRE BLANKET SIZE	WEIGHT OF S-LINE	WEIGHT OF D-LINE
COMPACT CARS 	Fiat 500, Toyota Yaris, Volkswagen Golf etc.	6 x 8 m (48m²)	25 kg	29 kg
FULL-SIZE CARS 	BMW 5 Series Volkswagen Passat etc.	6 x 8 m (48m²)	25 kg	29 kg
SUV'S AND CROSSOVERS 	Hyundai Kona, Toyota RAV4, Toyota Highlander, Ford Expedition, etc.	6 x 9 m (54m²)	30 kg	32 kg
PICK-UP TRUCKS 	Toyota Tacoma, Ford Ranger, Chevrolet Silverado, etc.	7 x 10 m (70m²)	40 kg	42 kg
VANS AND MINIVANS 	Honda Odyssey, Toyota Sienna, Ford Transit, etc.	8 x 10 m (80m²)	52 kg	58 kg

SUITABLE FOR:



Underground
parking



Motorway
companies



Service
stations



Tunnels



Car parks



Ferry parking
facilities



Firefighter
operation



Plug-in
chargeable
forklifts



Machine tools



Garages
and
workshops



The growing prevalence of electric cars has led to an increased demand for service solutions tailored specifically to e-vehicles.

In the aftermath of an accident involving an e-vehicle, even in the absence of visible damage, the batteries may self-ignite, posing a significant fire risk. Thus, precautionary measures are essential.

Fire blankets can be reused multiple times, but it's crucial to assess the potential for additional deployments after each fire mission.



HOW THE CAR SERVICE SET WORKS



Spread out the bottom blanket and place on the trailer. Ensure metal fasteners are laid flat.



Place vehicle on the blanket and secure front and back wheels.



Cover the vehicle with the fleece to protect the car's paint. Then, place the upper blanket over the vehicle with the straps on top.



Gradually fold the bottom blanket upwards, pull the straps of the top blanket through the fasteners and tie them.



The vehicle is securely wrapped, providing protection for the surrounding area and the transporting vehicle in case of a fire.

PRODUCT INFORMATION

- For securing electric vehicles in an accident
- Large enough for SUVs or vans
- Sustainable, re-usable and environmentally friendly
- Set consists of:
 - * two blankets
 - * an optional protective fleece
- Top blanket features straps, bottom blanket features metal fasteners
- Able to withstand extremely high temperatures (up to 1300°C)
- Made by textile fire safety experts
- Tested by the fire brigade and ADAC service partners

AVAILABLE SIZES

Service set REGULAR

TOP blanket 6x7m

BOTTOM blanket 4x7m

Service set EXTRA LARGE

TOP blanket 6x12m

BOTTOM blanket 4x10m



Prime Li-ion fire blankets are specialized safety gear crafted to control and isolate fires in electric bicycles or scooters.

The rising popularity of e-bikes and e-scooters has led to increased attention on ensuring their safe usage. Our Prime Li-ion fire blankets act as a preventive measure, minimizing potential risks from lithium-ion battery malfunctions, short circuits, or other electrical issues.



Crafted from materials resistant to high temperatures (up to 1300°C or even 1600°C), these fire blankets serve as a protective barrier between the fire and surroundings.

For a small fire, using a prime fire blanket swiftly smothers flames, preventing their spread by depriving the fire of oxygen and aiding in control.

While a fire blanket is effective for small fires, prioritize personal safety and be aware of your limits. If facing a larger or spreading fire, promptly evacuate and call emergency services.

**PRIME LI-ION FIRE BLANKETS
COME IN 2 SIZES**:**

3 x 3 m*

3 x 4 m

*Recommended for up to 900Wh

**KIWA certified NO.4034/2024

**Other sizes available upon customer's request. Each blanket comes in red nylon bag with handles which is fastened with velcro clip (bag print design can be changed upon customer's request)



**TO USE A PRIME
LI-ION BATTERY
FIRE BLANKET,
FOLLOW
THESE STEPS:**



1 ENSURE
SAFETY



2 IDENTIFY
THE
FIRE



3 TURN OFF
POWER
SUPPLY



4 ACCESS
THE FIRE
BLANKET



5 UNFOLD
THE
BLANKET



6 COVER
THE
FIRE



7 MONITOR
THE
SITUATION

LEAVE THE COVER ON
FOR AT LEAST 30 MINUTES



8 SEEK
PROFESSIONAL
HELP

Input material in accordance with
DIN SPEC 91489:2024-11

Lithium-Ion Battery Fire Containment

- The Safety Pouch is a protective solution designed to reduce risks from lithium-ion battery failures. During thermal runaway, lithium-ion batteries can produce extreme heat, flames, sparks, and explosive reactions. The pouch helps contain these hazards and limit the spread of fire and hot particles.
- Made from high-temperature-resistant quartz fiber fabric, it withstands temperatures up to **1600 °C**. Its multi-layer construction reduces heat transfer and helps prevent flames or burning particles from escaping.

ZIPPER & VELCRO

easy closing



AVAILABLE MODELS	
STANDARD 290 x 250 mm	• 2-layer quartz fabric construction • Recommended for devices up to 20 Wh
LARGE 500 x 430 mm	• 3-layer construction: 2 layers of high-temperature-resistant quartz fabric with an additional high-temperature-resistant nonwoven insulation layer. • Suitable for devices up to 100 Wh

*Personalized labels available

The pouch is suitable for devices with lithium-ion batteries, including laptops, smartphones, tablets, power banks, and portable gaming consoles, and can be used during charging, storage, or transport.



Key Benefits

- Helps contain flames and hot particles during lithium-ion battery failure
- High temperature resistance **up to 1600 °C**
- Reduces risk of fire spreading to surrounding surfaces
- Durable quartz-fabric construction with high thermal resistance
- Secure zipper and Velcro closure system
- Suitable for charging, storage, and transport of electronic devices
- Available in two sizes to accommodate different device type.
- Each pouch comes with a protective set of gloves for safe handling.

TYPICAL APPLICATIONS



- Charging of lithium-ion devices
- Storage of battery-powered electronics
- Transport of lithium-ion batteries
- Laboratories and testing facilities
- Offices and industrial environments
- Homes and consumer use

STORAGE RECOMMENDATIONS : Store in a dry, well-ventilated place. Do not place heavy objects directly on the pouch



Li-ion battery fire blankets are high-performance, multi-use solutions designed for fires involving devices with lithium batteries.

Lithium batteries, crucial in modern life for devices from smartphones to electric vehicles, are also known for overheating and fire risks, posing a serious safety concern. To tackle this issue, thermal insulation lithium battery blankets are created to reduce the risk of thermal runaway.



2in1

ONE BLANKET | TWO SAFEGUARDS
BATTERY related & HOUSEHOLD fires

BENEFITS:

- Prevents lithium battery fire from escalating and spreading
- Blankets are able to withstand extremely high temperatures (up to 1300°C)
- Reduces any chemical risks and spread of toxic fumes
- Protects against any potential debris arisen from lithium battery fire or explosion
- Each blanket is packed in separate, easy-to-use and store packaging with necessary instructions.
It comes in red nylon bag which is fastened with Velcro clip*
- **After safely covering the fire, step away and leave the blanket on for at least 30 minutes!**

*bag design can be changed upon customer request

Input material in accordance with

DIN SPEC 91489:2024-11

Li-ion battery fire blankets are an important innovation in the world lithium batteries, offering improved safety, efficiency and durability.

Also helping to ensure that these powerful energy storage systems remain safe and reliable for years to come.

LI-ION BATTERY FIRE BLANKETS COME IN 3 SIZES:

155 x 155 cm (2.41m ²)**
155 x 180 cm (2.79m ²)*
155 x 200 cm (3.1m ²)*

*Recommended for up to 522Wh

**EN 1869:2019





A household fire blanket, crafted from fire-resistant material like fiberglass, serves as a safety device to smother small fires by covering and suffocating them, effectively cutting off the oxygen supply.

Fire blankets, being lightweight and easily storable, present a practical safety choice for:



Homes



Vehicles



Campsites



Workshops



Hospitals



Laboratories



Petrol station



Wrap around a person

CONVENIENT

User-friendly and requiring no specialized training, fire blankets are easily stored, providing a convenient safety option.

VERSATILE

Fire blankets handle diverse small fires, from grease and electrical incidents to those with flammable materials or liquids.

SECURE

Requiring no water or chemicals, fire blankets offer a safer alternative to traditional extinguishers, emitting no toxic fumes or chemicals.

HOW TO USE

1 Pull the fire blanket out of its bag or plastic box and hold it by the corners or handles.

2 Cover the fire with the blanket, making sure that it completely covers the fire and any surrounding objects.

3 Cover the fire with the blanket, making sure that it completely covers the fire and any surrounding objects.

MOST COMMON SIZES:

- 120 x 120 cm
- 120 x 180 cm
- 160 x 180 cm

FIRE BLANKETS COME IN USER-FRIENDLY PACKAGING:

- Red nylon bags (fastened with velcro clip)
- Red plastic case EN 1869:2019

FIRE EXTINGUISHER COVERS



The fire extinguisher cover protects the device from any external conditions, while the transparent window enables checking the pressure in the fire extinguisher.

The cover is slip-on type, so it stays in place whether the extinguisher is mounted on the wall or as a reestanding carrier.

Available sizes for fire extinguisher covers: 6-9kg, 12kg, 25kg & 50kg or up to customer request.

PACKAGING & STORAGE





STORAGE FOR CAR FIRE BLANKETS

SMART BAG

	D380 x L1100
MATERIAL	100% PES 1100 dtex acrylic varnish finish
COMPOSITION	28% Fabric 72% Coating
CLOSING	Buckle strap clip
STORAGE/HANDLING	Smart bag designed for one person to transport the fire file to the accident scene
CHARACTERISTICS	Waterproof Resistance for temperatures -30°C + 70°C



METAL CABINETS

	INDOOR & OUTDOOR USE
INSIDE DIMENSIONS	90 x 35 x 30 cm
OUTSIDE DIMENSIONS	90.1 x 35.1 x 30.1 cm
WEIGHT	12.4 kg (WITHOUT PACKAGING)
COMPOSITION	Zinc coated steel 1mm (Color code: 3000 gloss 80%)
LOCKWARE	Euro lock
FIXTURE	Possible for wall mounting
MOUNTING	Hooks and screws
SPECIAL FEATURES	Door with 180° opening angle Resistant to weather conditions and UV radiation



WHEELED PLASTIC FIRE BOX (95M SERIES)

SIZE	1000 x 540 x 345 mm
WEIGHT	9.5 kg
COLOUR	1006-CORE 1006
ACCESS	Plastic toggles
NOTE:	Wheels and handle require self-assembly



*BAG/BOX PRINT DESIGN CAN BE CHANGED UPON CUSTOMER REQUEST



STORAGE FOR LI-ION BATTERY FIRE BLANKETS

PRIME METAL CABINETS

INSIDE DIMENSIONS	368 x 150 x H348
OUTSIDE DIMENSIONS	370 x 170 x H370
COLOUR	RAL 3000
MATERIAL	Steel sheet 0,7 mm DC01
LOCK TYPE	Eurolock

PRIME FABRIC BAGS/POUCHES*

SIZE	36 x 40 cm
MATERIAL	Red Nylon bags. Fastened with velcro. Integrated two eyelets in each corner for hanging if needed.

LI-ION FABRIC BAGS/POUCHES*

SIZE	40 x 25 cm
MATERIAL	Red Nylon bags. Fastened with velcro and sewn around with black ribbon. Integrated eyelet for hanging if needed.

LI-ION SQUARE BOX*

SIZE	H x W x D 335 x 355 x 100 mm
WEIGHT	1 kg
COLOUR	1006-CORE 1006
SPECIAL FEATURES	Lid that opens 180°. Suitable for indoor and outdoor use. Can be padlocked (padlock not included)



STORAGE FOR HOUSEHOLD FIRE BLANKETS

FABRIC BAGS/POUCHES*

SIZE	16 x 29 cm (for 100x100 cm blanket)	20 x 33 cm (for 120x120 cm blanket)	20 x 35 cm (for 120x180 cm blanket)	20 x 35 cm (for 180x180 cm & 160 x 180 cm blanket)
MATERIAL	Red Nylon bags. Fastened with velcro and sewn around with black ribbon. Integrated eyelet for hanging if needed.			

PP BOXES*

	BOX 1	BOX 2	BOX 3
SIZE	17.7 x 20.5 x 4.5 cm	17.7 x 25 x 4.4 cm	18 x 33 x 5.1 cm
WEIGHT	179 g	233 g	286 g
THICKNESS	2.0 mm		
MATERIAL	PP		



*BAG/BOX PRINT DESIGN CAN BE CHANGED UPON CUSTOMER REQUEST

A dramatic industrial scene featuring a large fire with thick black smoke billowing into the sky. In the foreground, a piece of heavy machinery, possibly a forklift, is completely covered by a dark, heavy-duty tarp. The background shows the skeletal structure of an industrial building. The overall atmosphere is one of a major industrial incident.

INDUSTRIAL

RELIABLE PROTECTION



WHEN IT MATTERS MOST



As Li-ion battery use grows proper storage and protection are increasingly essential. Battery rack covers play a key role in safe, efficient management.

**B
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MADE FROM FIRE-RESISTANT FABRIC

The cover shields against high temperatures, containing flames and preventing their spread, which is vital for safety and damage control.

● **ABILITY TO CINTAIN THE SPREAD OF FIRE**

The main benefit of a battery rack cover is containing fire risks from lithium-ion batteries, especially during thermal runaway caused by internal failure.

● **RELATIVELY LIGHTWEIGHT**

Despite their durability and protective qualities, battery rack covers are easy to handle and deploy without adding significant bulk to the storage racks.

**C
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With a built-in zipper and Velcro, these covers enable quick, easy deployment and access to stored batteries while ensuring protection.



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Besides fire safety, the covers protect against dust, moisture, debris and other contaminants, extending battery lifespan and reliability.



Battery rack covers are ideal for use anywhere where li-ion batteries are used and stored in large quantities.



INDUSTRIAL
ENVIRONMENTS



DATA
CENTERS



RENEWABLE
ENERGY FACILITIES



STORAGE
UNITS

**S
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E
S**

Battery rack covers can be custom-fitted to meet specific dimensions, ensuring comprehensive coverage and protection for each individual battery module.

This customization maximizes safety and optimizes storage efficiency.

EXAMPLES OF SIZES

1800 x 800 x 400mm

1000 x 1000 x 300mm

Battery rack cover with shelf – designed for the safe storage and charging of battery-powered devices such as e-bike batteries, power tools, or garden equipment. In the event of a fire or battery ignition, it offers **effective protection by:**

- **Isolating flames and preventing them from reaching the ceiling**
- **Lowering the temperature outside the rack**
- **Reducing smoke and toxic gas spread**
- **Limiting explosion effects beneath the cover**

HOLES

so that flue gases can escape

EASY CLOSING

thanks to roller mechanism and zipper

SAFE STORAGE AND CHARGING

of lithium-ion batteries

HIGH LOAD CAPACITY

180kg per self

AVAILABLE SIZE

1805 x 895 x 450mm

 **Must be disposed of after an actual fire event due to toxic contamination**



Battery rack covers with shelf are ideal for storing and charging:

lithium-ion batteries (e.g., e-bikes, power tools, garden equipment), small battery-powered devices.



As lithium-ion battery use increases, safe storage and charging are essential. The rack cover provides a cost-effective and proven alternative to full battery safety cabinets. Its high-temperature fiberglass fabric and certified construction ensure reliable protection against fire, smoke, and explosion hazards – helping to create a safer charging and storage environment.



Besides fire safety, the covers protect against dust, moisture, debris and other contaminants, extending battery lifespan and reliability.





Fire protection hoods for pallets are fire-resistant, designed to control and limit fire spread around palletized goods.

Hoods act as a barrier between the goods and potential ignition sources in warehouses, storage facilities, or during transportation.



Fire protection hoods primarily aim to contain and suppress early-stage fires, preventing their spread to adjacent pallets or across the facility.

They also help minimize the risk of smoke and toxic gas/fume inhalation, especially in incidents involving lithium-ion batteries.

These hoods are designed for easy placement over pallets, featuring a one-side open-close design with velcro closing. We offer custom-fit sizing to ensure they fit your pallets and accommodate the height of your stacked goods.

EXAMPLES OF SIZES

1250 x 850 x h.1165 mm

1250 x 1050 x h.1420 mm

Other sizes available
on customer request



Pallet fire hoods are a crucial component of a comprehensive fire safety plan and should be used alongside other fire prevention and protection measures.

Mobile Smoke Barrier is a portable smoke and heat containment system designed to help limit the spread of smoke, heat, and toxic gases during fire incidents. During a fire, smoke-filled staircases, corridors, and hallways can quickly become hazardous for occupants and emergency responders. Mobile Smoke Barrier helps reduce smoke migration into escape and access routes, improving safety and visibility. **Key Benefits:**

- Helps maintain clearer escape and access routes
- Limits the spread of smoke, heat, and toxic gases to other areas
- Facilitates more efficient evacuation, rescue, and firefighting operations
- Reduces smoke exposure in unaffected areas
- Rapid, tool-free installation
- Suitable for residential, commercial, and industrial buildings



Manufactured from heat-resistant, fire-retardant fabric, the Mobile Smoke Barrier can be rapidly installed in doorways or entrance openings. Once in place, it allows doors to be opened and enables firefighters to access fire-affected areas while helping to limit the spread of smoke and heat to other parts of the building.

The system is equipped with a specially designed tension rod and an adjustable metal extension frame, enabling fast, reliable, and tool-free installation in a wide range of door frames.

TECHNICAL SPECIFICATIONS

Heat-resistant, fire-retardant fabric

Fits doorways **80–135 cm** wide

Adjustable extension frame for fast positioning

Tool-free installation in under 1 minute

Lightweight design – approx. 7 kg

Reusable with inspection after use

Supplied with a compact storage bag

INSTRUCTIONS FOR USE



Preparation - Remove the Mobile Smoke Barrier from the storage bag and choose the doorway or opening to be protected.

Positioning - Place the barrier into the opening, making sure the fabric fully covers it.

Installation - Extend and secure the tension rod inside the frame so the barrier is sealed.

Operation - The barrier is ready. Smoke and heat are contained while access remains possible.

Removal - Remove the tension rod carefully, avoiding hot surfaces.

Storage - Let the fabric cool, check for damage, fold, and store in the bag.

! Always inspect the barrier after each use for damage or wear before redeployment



The Forklift/Electric Pallet Truck (Rohla) Fire Blanket is a vital safety tool for suppressing and containing fires caused by electrical malfunctions, fuel leaks, or operational hazards in forklifts and pallet trucks (Rohlas). Made from high-quality, fire-resistant materials, the blanket effectively stops fire spread, safeguarding personnel and surrounding areas.

QUICK DEPLOYMENT

The blanket deploys quickly, cutting off oxygen and reducing fire spread.

MINIMIZES EQUIPMENT DAMAGE

By containing the fire early, the blanket minimizes damage to the forklift, pallet truck and surrounding environment.

SAFETY FOR WORKERS

It reduces the risk of injuries by controlling the fire before it spreads.

**NON-TOXIC &
ENVIRONMENTALLY FRIENDLY**

Fire blankets produce non-toxic emissions, making them a safer and more eco-friendly option, especially for indoor use.

EASE OF USE

Fire blankets require minimal training, making them a highly accessible workplace safety tool.

PORTABLE

Fire blankets are lightweight and portable, allowing easy storage in key areas where forklifts or pallet trucks are used.

VERSATILE

These blankets can be used on various machinery and small fires, enhancing their utility in different industrial settings.



Input material
in accordance with
DIN SPEC 91489:2024-1



	S-LINE		D-LINE	
SIZE	5 x 5 m (25m ²)	7 x 7 m (49m ²)	5 x 5 m (25m ²)	7 x 7 m (49m ²)
WEIGHT	14 kg	26 kg	15 kg	30 kg
SUITABLE FOR	Forklifts and Electric pallet trucks (Rohlas) or other types of machinery*			
VERSATILE	Waterproof smartbag (carried as a backpack) Metal cabinet			

*The blanket dimensions must fully cover the vehicle, with an additional minimum of 1 m extending onto the ground around it.

FIRE BLANKETS SHOULD BE STORED NEAR HIGH-RISK AREAS, SUCH AS FORKLIFT CHARGING STATIONS, REFUELING AREAS OR NEAR LOADING DOCKS.



WAREHOUSES
&
STORAGE
FACILITIES



DISTRIBUTION
CENTERS
&
FREIGHT
TERMINALS



MANUFACTURING
PLANTS
&
CONSTRUCTION
SITES



PORTS, SHIPPING
YARDS
&
AIRPORTS



!Always evaluate the size and type of fire. If the fire is small and localized (e.g., around the battery or engine), a fire blanket can be effective. For large fires, evacuate the area and call emergency services!

The world's first automatic fire protection system for electric vehicle.

If an electric vehicle ignites, there are significant risks to people and the environment, emphasizing the top priority of safeguarding individuals and structures in case of a fire.

THE MAIN HAZARDS OF FIRES IN ELECTRIC VEHICLES IN CLOSED AND OPEN SPACES ARE:

SMOKE AND EXTREME HEAT

Toxic smoke and heat poses a risk to human life, contaminate the surroundings, make firefighting difficult and cause considerable clean-up costs.

UNCONTROLLABLE FIRE

Effective fire prevention in enclosed public or private buildings of any kind relies heavily on isolating the fire.

WATER DAMAGE

Traditional firefighting for combustion engine cars requires large amounts of water, but disposal of the water used comes with substantial costs.

HEAT OR SMOKE DETECTION TRIGGERS THE ALARM, ACTIVATES THE PROTECTION SYSTEM, AND ALERTS THE FIRE BRIGADE— ALL AUTOMATICALLY WITHIN SECONDS.

THE PROTECTION EXTENDS TO NEARBY CARS, PEOPLE AND OBJECTS, REDUCING RISKS TO THE BUILDING STRUCTURE, AS IN MULTI-STOREY CAR PARK FIRES.

ECELL-GUARD – SYSTEM OF THREE COMPONENTS

PHASE 1 WARNING SYSTEM

- Early detection through multiple sensors and FAS (Fire Alarm System)
- Optical and acoustic warning signals are activated

PHASE 2 AUTOMATIC TRIGGER

- Automatic deployment of the containment blanket over the vehicle
- Not dependent on mains power, completely mechanical
- Low maintenance and reliable

PHASE 3 CONTAINMENT BLANKET

- Containment blanket isolates the fire within seconds
- Protecting building structure and object
- Immediately limits smoke & heat development
- Heat resistant up to 1000°C and peaks up to 1300°C



THE FIRE PROTECTION BLANKET PRODUCT INFORMATION:

TEMPERATURE RESISTANCE UP TO 1000°C, BRIEFLY UP TO 1,300°C

CERTIFIED FOR COMBAT SUITABILITY OF BATTERY FIRES (KIWA INSTITUTE)

COMPLIED WITH LVS 1071 STANDARD (LATVIA STANDARD)

MINIMUM DIMENSIONS PARKING SPOT	HEIGHT: 2 m DEPTH: 2.5 m LENGTH: 5 m
CONSTRUCTION DEMENSIONS STAINLESS STEEL WALL CASSETTE	HEIGHT: 0.39 m DEPTH: 0.45 m LENGTH: 2.48 m
CASSETTE WEIGHT WITH FIRE PROTECTION BLANKET	Approx. 146 kg
POSSIBLE CONNECTIONS TO THE FAS	For up to 30 places
CERTIFICATES	VdS certification for all components of the FAS (FAS; Detectors; Signalig equipment; etc.)
ELECTRICAL DATA	230 V connection 16A fuse (for buffer battery) mains power fail-safe
OTHER FEATURES	• Automatic release of the pull-out mechanism (Ejection) • Pre-set times for warning messages and tripping signals. • Multiple triggers for system parking spaces in underground and multi-storey car parks are freely programmable. • Spacers for correct positioning of the vehicle

SCOPE OF DELIVERY

1x Wall cassette with fire protection ceiling and deflection set
 1x Fire alarm system (FAS -parking space 1-30) with buffer battery
 2x Fire alarm sensors | 1x Acoustic warning signal generator | 1x Optical Flash Light
 1x Connection set (relay & distribution box with small parts) | 1x Assembly set

ULTRA LI-ION BATTERY FIRE BLANKET



PADTEX
INSULATION

Double-layered ULTRA Li-ion battery fire blanket offers enhanced flame smothering and insulation with superior fire suppression.



Both layers work together to smother flames more effectively and offer increased insulation, helping prevent the re-ignition of the fire. This added thickness and durability contribute to improved safety (reducing the risk of burns), making our ULTRA fire blanket a more robust choice for handling various types of fires.



THE ULTRA AND ULTRA+ LI-ION BATTERY FIRE BLANKETS ARE VERSATILE AND APPLICABLE IN V



HOMES | OFFICES | HOTELS

ELECTRICAL APPLIANCES OR FLAMMABLE LIQUIDS



VEHICLES

E-SCOOTERS AND BIKES



WORKSHOPS | WAREHOUSES WELDING OPERATIONS

FIRES RELATED TO TOOLS, EQUIPMENT, FLAMMABLE MATERIALS



LABORATORIES

CHEMICAL FIRES, AC

TO USE A ULTRA AND ULTRA+ FIRE BLANKETS

- **RETRIEVE THE BLANKET** from storage.

- **PROTECT YOURSELF** by using heat-resistant gloves, if available, and hold the blanket at corners away from your face.

- **COVER THE FIRE SOURCE** Approach the fire source cautiously, then place the fire blanket over the flames, ensuring complete coverage.

WHILE A ULTRA AND ULTRA+ FIRE BLANKETS ARE AN EFFECTIVE TOOL FOR MANY SITUATIONS, ALWAYS PRIORITIZE SAFETY, AND ENSURE THAT EVERYONE

ULTRA		VALUE	TOLERANCE	TEST METHOD
FIREBLANKET				
MATERIAL		DOUBLE LAYER		
		QUARTZ SILICA		
SIZES		1.8 m x 1.8 m	± 5%	
		2.6 m 2.6 m	± 5%	
EDGES		EACH EDGE IS SEWN WITH FIREPROOF MATERIAL		
HANDLES	SIZE	60 cm	± 5%	
	MATERIAL	AT EACH CORNER FROM FIREPROOF MATERIAL		
SHORT PEAK TEMPERATURE		≤ 1800 °C		
FABRIC				
WEIGHT		1100 g/m2	± 5%	DIN EN 12127
THREADCOUNT	WARP	19.0 per 1cm	± 1	EN1049-2
	WEFT	11.0 per 1 cm	± 1	
TENSILE STRENGHT	WARP	≥ 2500 N/2.5cm		EN ISO 13934-1
	WEFT	≥ 1500 N/2.5cm		
THICKNESS		1.0 mm	± 10%	DIN EN 5084
COATING		INORGANIC FLAME-RESISTANT COATING		



ULTRA+ Li-ion battery fire blanket is specially made of multiple layers to withstand very high temperatures, often exceeding up to 2000°C. With low thermal conductivity, the ULTRA+ fire blanket effectively manages and mitigates lithium-ion battery fires.

With high thermal shock resistance, the fire blanket acts as a thermal barrier, enduring rapid temperature changes without significant damage. Each layer serves a specific function: silica fabric for high-heat exposure and fiberglass needle mat for insulation. Blanket's high thermal resistance and fire-retardant properties effectively contain and suppress lithium-ion battery fires, which are challenging due to their high energy content and volatility.

DATA CENTERS

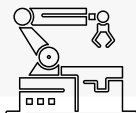


VARIOUS SETTINGS TO ADDRESS DIFFERENT FIRE RISKS. COMMON APPLICATIONS INCLUDE:



LABORATORIES

Customer's request
Accidental spills



INDUSTRIAL SETTINGS

MACHINERY, MANUFACTURING, ELECTRICAL EQUIPMENT



SHIPYARDS

ENCLOSURE WHERE SHIPS ARE BUILT OR REPAIRED



PHYSICAL ROOMS THAT STORES COMPUTING MACHINES

EFFECTIVELY, FOLLOW THESE GENERAL STEPS:

- **LEAVE IN PLACE**
After placing the fire blanket, leave it in position for at least 30 minutes to improve the likelihood of effective extinguishing.
- **COOL AFTER USAGE**
After smothering the fire, let the covered area cool; Refrain from removing the blanket immediately to prevent re-ignition.
- **SEEK PROFESSIONAL HELP**
Even if the fire appears extinguished, it's crucial to seek professional assistance and assess the situation to ensure no lingering danger persists.

AGING LITHIUM-ION BATTERY FIRES, CALLING PROFESSIONAL FIREFIGHTERS IS CRUCIAL. WE KNOWS THE PROPER PROCEDURES IN CASE OF A FIRE EMERGENCY.

ULTRA +		VALUE	TOLERANCE	TEST METHOD
FIRE BLANKET				
MATERIAL	OUTER	QUARTZ SILICA		
	INSULATION	NON-WOVEN ULTRA HIGH TEMPERATURE		
SIZES		1.8 m x 1.8 m	± 5%	
		2.6 m x 2.6 m	± 5%	
EDGES		EACH EDGE IS SEWN WITH FIREPROOF MATERIAL		
HANDLES	SIZE	60 cm	± 5%	
	MATERIAL	AT EACH CORNER FROM FIREPROOF MATERIAL		
SHORT PEAK TEMPERATURE		≤ 2000°C		
FABRIC				
WEIGHT		600 g/m2	± 5%	DIN EN 12127
THREADCOUNT	WARP	19.0 per 1cm	± 1	EN1049-2
	WEFT	14.0 per 1 cm	± 1	
TENSILE STRENGHT	WARP	≥ 2500 N/2.5cm		EN ISO 13934-1
	WEFT	≥ 1900 N/2.5cm		
THICKNESS		0.78mm	± 10%	DIN EN 5084
COATING		INORGANIC FLAME-RESISTANT COATING		

upon customer's request

**PADTEX INSULATION, ESTABLISHED IN 2003,
IS ONE OF THE LEADING PRODUCERS OF FIBERGLASS PRODUCTS IN THE BALTICS.**

We are headquartered in the city of Valmiera with branches in Cesvaine and Gulbene.

We provide high-quality insulation and fire safety products—manufactured, supplied, and installed for diverse industries worldwide.

Quality is our priority—we uphold the highest standards in every detail, with full dedication to client satisfaction.

We specialize in custom-made products, tailored to each client's specific needs and technical specifications—available in various sizes for a perfect fit every time.

AT PADTEX INSULATION, QUALITY ISN'T JUST A STANDARD, IT'S A MINDSET SHARED BY OUR ENTIRE TEAM.

OUR STRENGTH LIES IN OUR PEOPLE – a team of dedicated professionals who bring passion, innovation, and expertise to every project.

WE ARE ALWAYS IMPROVING – refining our processes, optimizing resources, and pushing the boundaries of what's possible.

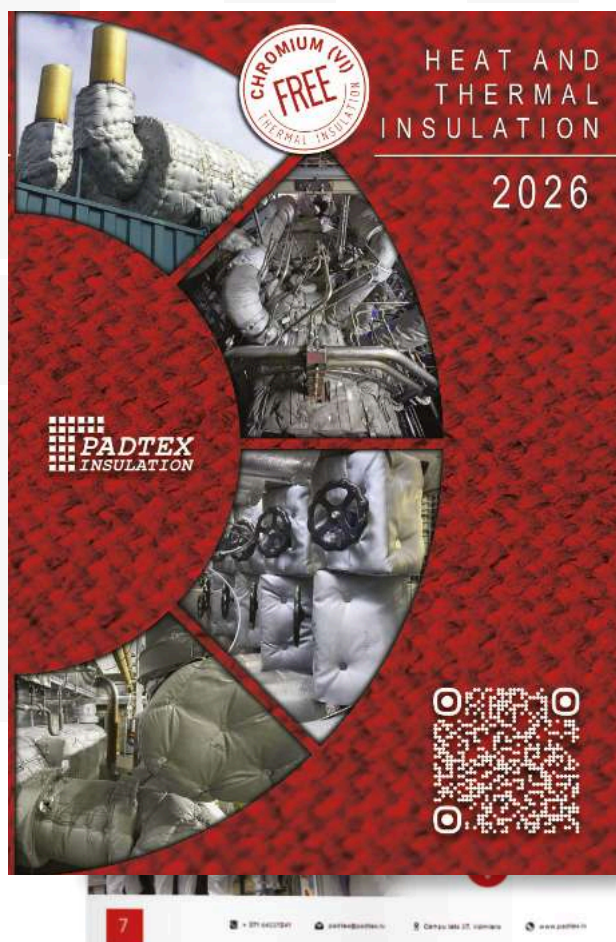
FOR US, QUALITY IS MORE THAN A GOAL – it's a shared commitment.

WE LOVE WHAT WE DO, BECAUSE WE KNOW IT MATTERS.



With a strong commitment to excellence, we are a trusted partner in the insulation industry, delivering customized solutions worldwide.

Our portfolio includes **Chromium (VI)-free** thermal insulation solutions, manufactured as an OEM for applications such as steam and gas turbines, fabric expansion joints, insulation jackets, accessories, and advanced marine insulation systems—including scrubbers, engine compartments, and valves.



For detailed information on thermal insulation solutions, material performance, and application guidelines, please refer to our Thermal Insulation Catalogue.

Find out more: www.padtex.lv/heat-and-thermal-insulation

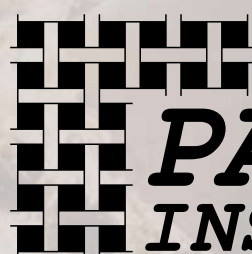


(Scan the QR code for direct access)

MANAGEMENT SYSTEM AND PRODUCTS CERTIFIED
ACCORDING TO INTERNATIONAL STANDARDS



made in
LATVIA



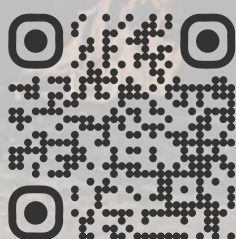
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