Express Fire Equipment Ltd

LITHIUM BATTERY FIRE BLANKETS: DATA SHEET

- Designed to combat fires in the early stages of a lithium battery fire where there is a risk of thermal runaway. Battery fire blankets reduce risk, reduce damage and contain toxic fumes.
- Four types available based on long-time heat resistance and short-term heat resistance
- Available in 2 sizes:
- 6m x 8m for cars including hybrid and electric vehicles (EVs) plus forklifts
- 3m x 4m for electric bikes/motorcycles plus electric wheelchairs
- Large blanket size to cover the vehicle/object with additional blanket to seal at the base
- Can be used to combat fires in any products containing lithium-ion batteries
- Supplied in a storage bag for ease of storage
- Products are designed for single-use only and quick and easy operation
- Controls fire and flames quickly and reduces the release of toxic gases and smoke protecting people and the environment
- Suitable for domestic settings as well as business use including car parks
- Also available: flame-retardant gloves

Express Fire Equipment Ltd., Units 3, 4, 6 and 10 Mersey Road Industrial Estate, Mersey Road North, Failsworth, Manchester, M35 9LU.
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How to use the fire blankets

- Follow the instructions printed on the side of the fire blanket.
- Remove the blanket from the bag, unroll and unfold maintaining a safe distance from the fire.
- Each person should hold a handle and the blanket should be pulled over the vehicle in one continuous movement taking care of the fire, fumes and chemical risk.
- The weight of the blanket will hold it in position on the vehicle and the bottom of the blanket should be tucked in at the edges, again taking care of the fire, fumes and chemical risk.
- The blanket should be left in place and only removed by the local fire bridge.
- NB the blanket will not extinguish an electric vehicle fire but will reduce the toxic fumes and prevent he fire from spreading.
- Once used, the blanket should be safely disposed of in line with local regulations.
- DO NOT re-use the blanket.
- Express Fire Equipment Ltd. accepts no liability for the mis-use of the products contained within this technical data sheet nor any injuries or damages from their use.

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Flame-retardant gloves

- Product code: GLOVES-FLAME
- Heat resistance up to 1300°C
- Approximate glove length: 45cm
- Material: Aramid 14 with carbon fibre
- CE approved
- Manufactured in accordance with EN388 (safety standard for protective gloves, specifically those designed to protect against mechanical risks like abrasion, cuts, tears, and punctures)
- Manufactured in accordance with EN407 (safety standard for protective gloves designed to safeguard against thermal risks like heat and fire)

CE

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TECHNICAL SPECIFICATION: CAR FIRE BLANKETS

	BLANKET1	BLANKET3	BLANKET5	BLANKET7
Use and type	Car: Eco	Car: Medium	Car: Advanced	Car: Supreme
Size	6m x 8m	6m x 8m	6m x 8m	6m x 8m
Colour	Grey	Grey	Grey	Grey
Weight	28kg	27kg	27kg	17kg
Long-time heat-resistant temperature	600°C	800°C	1100°C	1300°C
Short-term heat-resistant temperature	1200°C	1500°C	1700°C	3000°C
Fabric	High-strength glass fibre cloth	High-strength glass fibre cloth	High-strength glass fibre cloth	High-strength glass fibre cloth
Greige weight	560g/m2 +/-6% ASTM D 3776	540g/m2 +/-6% ASTM D 3776	540g/m2 +/-6% ASTM D 3776	350g/m2 +/-6% ASTM D 3776
Thickness	0.54 +/-0.050mm ASTM D 1777	0.54 +/-0.050mm ASTM D 1777	0.54 +/-0.050mm ASTM D 1777	0.43 +/-0.050mm ASTM D 1777
Finish	Liquid silicone coating	Liquid silicone coating	Liquid silicone coating	Liquid silicone coating
Warp breaking strength	4500 N/cm minimum ASTM D 5035	4200 N/cm minimum ASTM D 5035	4000 N/cm minimum ASTM D 5035	MD5800 N/ CD 5700N, ISO 13934-1
Weft breaking strength	3000 N/cm minimum ASTM D 5035	2800 N/cm minimum ASTM D 5035	2600 N/cm minimum ASTM D 5035	MD 125.7 N/CD 135.5N, ISO 13937-1
Pack size	71 x 54 x 27cm	71 x 54 x 27cm	71 x 54 x 27cm	50 x 50 x 22cm

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TECHNICAL SPECIFICATION: BIKE FIRE BLANKETS

	BLANKET2	BLANKET4	BLANKET6	BLANKET8
Use and type	Bike: Eco	Bike: Medium	Bike: Advanced	Bike: Supreme
Size	3m x 4m	3m x 4m	3m x 4m	3m x 4m
Colour	Grey	Grey	Grey	Grey
Weight	7.2kg	6.6kg	6.6kg	4.4kg
Long-time heat-resistant temperature	600°C	800°C	1100°C	1300°C
Short-term heat-resistant temperature	1200°C	1500°C	1700°C	3000°C
Fabric	High-strength glass fibre cloth	High-strength glass fibre cloth	High-strength glass fibre cloth	High-strength glass fibre cloth
Greige weight	560g/m2 +/-6% ASTM D 3776	540g/m2 +/-6% ASTM D 3776	540g/m2 +/-6% ASTM D 3776	350g/m2 +/-6% ASTM D 3776
Thickness	0.54 +/-0.050mm ASTM D 1777	0.54 +/-0.050mm ASTM D 1777	0.54 +/-0.050mm ASTM D 1777	0.43 +/-0.050mm ASTM D 1777
Finish	Liquid silicone coating	Liquid silicone coating	Liquid silicone coating	Liquid silicone coating
Warp breaking strength	4500 N/cm minimum ASTM D 5035	4200 N/cm minimum ASTM D 5035	4000 N/cm minimum ASTM D 5035	MD5800 N/ CD 5700N, ISO 13934-1
Weft breaking strength	3000 N/cm minimum ASTM D 5035	2800 N/cm minimum ASTM D 5035	2600 N/cm minimum ASTM D 5035	MD 125.7 N/CD 135.5N, ISO 13937-1
Pack size	36 x 27 x 27cm	36 x 27 x 27cm	36 x 27 x 27cm	36 x 27 x 27cm

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