

TECHNICAL DATA SHEET

CODE:	FBLIC1812 FBLIC3040 FBLIC6080
DESCRIPTION:	LITHIUM ION BATTERY FIRE CONTAINMENT BLANKET
CATEGORY:	FIRE FIGHTING EQUIPMENT
REVISION DATE:	02 AUGUST 2024

IMPORTANT

THESE PRODUCTS ARE NOT APPROVED FIRE BLANKETS UNDER AUSTRALIAN STANDARDS AND ARE NOT INTENDED TO REPLACE AN AUSTRALIAN STANDARD APPROVED FIRE BLANKET



FBLIC1812



FBLIC3040



FBLIC6080

PRODUCT DESCRIPTION:

Most fire blankets certified to the Australian Standard are rated for temperatures of 500-550°C and while useful for small-scale fires they are not intended for use fighting intense fires. Lithium Ion battery fires can burn at much higher temperatures - well above 500°C and the nature of Lithium Ion battery fires is generally considered to be intense.

Whilst not certified under Australian Standards and not intended to replace the requirement of certified fire blankets, these products are designed and certified under EN13501-1 to withstand service temperatures between 1100-1450°C and may be an effective tool to help contain and suppress an intense fire such as one involving a Lithium Ion battery.

Suitable for items such as portable electronic equipment, gardening and power tools, electric bikes (E-Bikes) and electric scooters (E-Scooters).



**AUSTRALIA WIDE FIRE SUPPLIES ABN 80393915621 UNIT 5/54 PENDLEBURY RD CARDIFF NSW 2285
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TECHNICAL DATA SHEET

EXAMPLES OF USE:

Lithium Ion batteries are very common and used in a variety of devices from toys and mobile phones, laptops, power and gardening tools, electric bikes, electric scooters, mobility chairs and motor vehicles.

Lithium Ion batteries are generally well-concealed within devices and equipment which can make them difficult to reach in the event of fire. Often ignition is within the cells themselves and whilst extinguishing agents exist that can be effective on Lithium Ion battery fires it is often difficult for these agents to reach the source of the fire. Lithium Ion battery fires can also produce toxic fumes, cause explosions, burn for extended periods at very high temperatures and reignite multiple times.

The Lithium Ion Fire Containment Blanket is designed to cover equipment in the event of fire to help contain the spread of fire, toxic fumes, smoke and debris. At the same time once deployed, the blanket will help to smother / starve the fire of oxygen assisting in containing the fire.

In the event of a Lithium Ion battery fire the first priority should be the safety of people. The containment blanket should only be used if it is safe to do so and the local fire brigade should be contacted as soon as possible. Do not remove the containment blanket until fire authorities have attended even if it appears to have extinguished the fire.

TECHNICAL SPECIFICATIONS:

	FBLIC1812	FBLIC3040	FBLIC6080
FINISHED SIZE	1.8m x 1.2m	3m x 4m	6m x 8m
PACKAGED WEIGHT	1.9KG	8.9KG	37KG
PACKAGE TYPE	NYLON POUCH- WALL MOUNT	WELDED POLY BACKPACK WITH HANDLE & STRAPS	WHEELED LUGGAGE STYLE BAG WITH HANDLE & STRAPS
PACKAGED DIMENSIONS	370mm x 280mm x 50mm	500mm x 280mm x 175mm	950mm x 380mm x 300mm
MATERIAL TYPE	HIGH SILICA GLASS FIBRE FABRIC	HIGH SILICA GLASS FIBRE FABRIC	HIGH SILICA GLASS FIBRE FABRIC
MATERIAL CERTIFICATE	EN13501-1	EN13501-1	EN13501-1
MAT THICKNESS	0.6mm ± 5%	0.6mm ± 5%	0.6mm ± 5%
MAT WEIGHT	600G/m ² ± 5%	600G/m ² ± 5%	600G/m ² ± 5%
TENSILE STRENGTH WARP MINIMUM	6000N/5cm	6000N/5cm	6000N/5cm
TENSILE STRENGTH WEFT MINIMUM	4000N/5cm	4000N/5cm	4000N/5cm
SERVICE TEMPERATURE	1100-1450°C	1100-1450°C	1100-1450°C
PULL TABS	EACH CORNER (4)	EACH CORNER (4)	EACH CORNER (4)



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INSTRUCTIONS FOR USE

INSTRUCTIONS FOR USE - FBLIC1812 & FBLIC3040 CONTAINMENT BLANKETS

ANY PERSON WHO MAY NEED TO USE THE CONTAINMENT BLANKET SHOULD FAMILIARISE THEMSELVES WITH THESE INSTRUCTIONS AND ENSURE THEY FULLY UNDERSTAND HOW TO USE THE CONTAINMENT BLANKET PRIOR TO USE.

IN CASE OF FIRE

- Ensure that everyone evacuates the immediate area
- Call 000 to alert fire brigade even if the fire appears to be small
- The user must assess the suitability of the blanket for any given fire
- Large fires should only be fought by professionals—if in doubt leave the area

ALWAYS REMEMBER

- Small fires can quickly become large fires
- Lithium Ion battery can produce hazardous and toxic fumes - even when not burning
- Lithium Ion batteries may explode
- Lithium Ion batteries may re-ignite

USING THE CONTAINMENT BLANKET

Only use the blanket if you feel confident to do so and have the appropriate training

- Remove the blanket from packaging and unfold the blanket fully
- Do not “throw” the blanket over a fire
- Using the pull tabs located at each corner of the blanket carefully place the blanket over the fire ensuring the blanket completely covers the area where the battery pack or device containing it is. Larger blankets may require two people
- For the best effect ensure that the blanket is free of folds creating unnecessary air spaces under it and that the blanket has no gaps around the base allowing oxygen to enter
- Once the blanket has been deployed move well away from the area
- Do not attempt to remove the blanket once deployed even if the fire appears to be extinguished. Wait for the fire brigade to attend and determine if it is safe to remove the containment blanket

RE-USE OF THE BLANKET

- After use in a fire event the blanket should be carefully examined. If degradation of the fabric is evident or if there are any cuts or tears to the blanket it should be discarded
- If there are no signs of damage the blanket may be re-used after cleaning. If there is any doubt the blanket should be discarded

STORAGE

- The containment blanket should be stored in a convenient and accessible location within reasonable proximity to any perceived risk
- The selected location should be dry and not exposed to elements.
- The blanket should be inspected regularly for signs of damage and to ensure it is accessible. You should consider incorporating and recording inspections in accordance with other fire equipment in use
- A copy of these instructions for use should be stored with the blanket



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