



www.AVDFIRE.com

LITHIUM BATTERY FIRE BLANKETS



Are you prepared for a
lithium-ion battery fire?

- Working temperature $>1000^{\circ}\text{C}$
- Fireproof technical fabric with fire resistant coating
- Fire resistant re-enforced multi-layered edge lining
- Eyelets for tethering or suspending
- Fire resistant industrial stitching
- Handling loops on all corners



NEW HIGH PERFORMANCE BATTERY FIRE BLANKET

SPECIFICALLY DESIGNED FOR LITHIUM ION BATTERY PACKS

AVD Fire a division of Dupré Minerals Ltd has developed a new range of high performance, multi-use, lithium-ion battery fire blankets ("Blankets") which are designed specifically for fires involving devices incorporating lithium-ion batteries.

Our Blankets are capable of withstanding extremely high temperatures in an oxidising atmosphere for a prolonged period of time, as well as being robust enough to provide a measure of protection against potential debris and shrapnel expelled during a battery fire.

TECHNICAL BENEFITS

The AVD Fire range of Blankets are manufactured using fire resistant technical fabrics based on the highest temperature resistant silica glass fibres.

Flame deflection protection is added to these fibres as well as abrasion resistance utilising a variety of proprietary surface coatings. The non-flammable, vermiculite dispersion mineral-coated glass fabric is overlaid with a sacrificial, protective silicone layer.

In-house testing has been completed on exposed lithium-ion batteries up to 840 Wh.

1000°C

No rupture of the fabric after several hours of application of either a point flame source or in a constant temperature furnace.

1200°C

No rupture after 30 minutes.

1300-1500°C

Brittle after 10 minutes.

The base fabric is fully oxidized and will not ignite. When subjected to temperatures above the stated operating temperature for an extended period of time the fabric will exhibit localized degradation and become brittle.

These blankets are multi-use - see website for further information regarding the viability of re-use after involvement in a significant fire.

SMALL

Blanket weight
~3.4 kg

Blanket weight in bag
~3.7 kg

Dimensions of folded blanket in outer bag
L52 x W30 x H7 cm



MEDIUM

Blanket weight
~9.2 kg

Blanket weight in bag
~9.7 kg

Dimensions of folded blanket in outer bag
L54 x W35 x H14 cm



LARGE

Blanket weight
~43.2 kg

Blanket weight in bag
~44.2 kg

Dimensions of folded blanket in outer bag
L91 x W58 x H19 cm



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USER GUIDE



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DEMONSTRATION



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