



LITHIUM BATTERY FIRE BLANKETS

Are you prepared for a **lithium-ion battery fire?**

- Working temperature >1000°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 lithium-ion battery fire blankets ("Blankets") which are multiuse specifically for the lithium-ion battery market. 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.

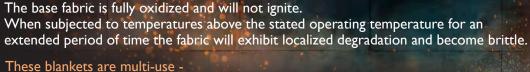
1300-1500°C

Brittle after 10 minutes.





6000 x 8000 mm



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

DOWNLOAD THE USER GUIDE











PRODUCTS:

Gaseous Suppression



Inert Gas (IG-01, IG-55, IG-100, IG-541) Novec 1230[™] Fluid (FK-5-1-12) FM-200[®] / NAF S 227 (HFC-227ea.) Ecaro 125[®] / NAF S 125 (HFC-125) Carbon Dioxide (CO₂) Hybrid Systems (N₂ / Water) **Pressure Relief Vents Enclosure Integrity Testing Equipment** Pipe & Fittings

Water Suppression

Water Mist - High Pressure Water Mist - Intermediate Pressure Water Mist - Low Pressure Hybrid Systems (Water / N₂) Monitors & Delivery Systems **High Speed Deluge**

Foam Suppression



Foam Concentrates Foam Proportioning Foam Delivery Systems Foam Concentrate Testing

Explosion Protection



Explosion Suppression Explosion Isolation EXPLOSION Explosion Vents & Pressure Relief Spark Suppression **Explosibility Testing**

Fire Detection



Linear Heat Detection - Digital Linear Heat Detection - Fibre Optic Linear Heat Detection - Micro Chip Flame Detection Video Imaging Detection **Spark Detection Control & Indicating Equipment Thermal Imaging Detection** Aspirating Smoke Detection

Military & Defence



Military Vehicles Naval Vessels

Special Applications

Micro Environment Oxygen Reduction **Kitchen Protection Systems** Dry Chemical Vehicle Systems Compressed Air Foam Marine & Offshore Vapour Mitigation Lithium-Ion Fire Systems

Support Services



Design / Engineering **Technical Support** Services & Testing

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