



MADE IN
GREAT
BRITAIN



BRITANNIA FIRE



THE P50 AVD

AVD IS SPECIALLY DESIGNED TO SUPPRESS LITHIUM-ION BATTERY FIRES

The P50-AVD, incorporating Aqueous Vermiculite Dispersion (AVD) - a revolutionary, tested, and certified fire-extinguishing technology specifically designed to tackle lithium-ion battery fires.

AVD technology works by rapidly cooling the fire, suppressing flames, and forming a protective barrier that helps prevent re-ignition — a critical advantage when dealing with lithium-ion battery incidents.

ADVANCED PROTECTION FOR LITHIUM-ION BATTERY FIRES

AVD is a next-generation fire extinguishing agent engineered to address the growing risk of high-temperature lithium-ion battery fires. Developed to overcome the limitations of conventional agents, AVD delivers market-leading performance in the most challenging fire scenarios.

Formulated using advanced materials technology, AVD provides exceptional fire suppression and thermal insulation, helping to cool, isolate, and control lithium-ion battery fires while significantly reducing the risk of re-ignition.

WHAT IS AVD?

AVD is an aqueous suspension of high-aspect-ratio vermiculite platelets, giving it a distinctive golden-brown appearance. Vermiculite is a naturally occurring mineral renowned for its outstanding thermal stability and insulating properties. The agent is non-flammable and forms a protective heat-shielding barrier when applied.

KEY PROPERTIES

- 16–18% solids content with optimised vermiculite platelet formulation
- Stable suspension for consistent, reliable performance
- Controlled viscosity (2,000–4,000 cP) for effective coverage
- Proven performance across portable and fixed fire suppression systems
- Compatible with standard fire-fighting equipment using a specialised misting nozzle
- AVD represents a new standard in lithium-ion battery fire protection—delivering confidence, control, and enhanced safety where it matters most.



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