

## AQUEOUS VERMICULITE DISPERSION AVD

Dupré Minerals' AVD, aqueous vermiculite dispersion, is composed of high aspect ratio vermiculite platelets in water; vermiculite is the name given to a group of hydrated laminar aluminium-iron-magnesium silicates. AVD is a highly beneficiated, tightly-controlled formulation for use as a fire extinguishing agent.

AVD is a new and revolutionary extinguishing agent which has been developed during the past few years in response to the demand for products which can deal with high temperature flammable metal fires and lithium ion and lithium polymer battery fires. AVD offers a significant performance improvement over conventional extinguishing agents when applied to these very particular fire types.

AVD has undergone extensive testing with a variety of delivery systems and is suitable for application using standard fire extinguishing equipment via a specialized misting nozzle.†



### WHAT IS AVD?

- A natural mineral-based fire extinguishing agent.
- A gold/brown, stable, aqueous suspension of Vermiculite platelets.
- AVD is non flammable and has excellent thermal insulation properties.

### TYPICAL PROPERTIES OF AVD

- It has a solids content of 17%
- It's Brookfield viscosity [Sp5, 20 rpm] is 3000 cP.
- It's particle size as measured by light scattering is:

	Specification	Typical result
Dv97	<300µm	<275µm
Dv90	<200µm	<180µm
Dv50	<85µm	75-80µm
Dv10	<30µm	25.4µm

†This nozzle can be supplied by Dupré upon request.

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