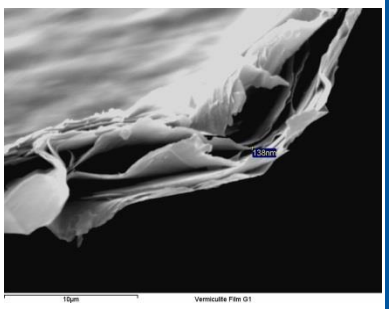
DM335 and DM363s

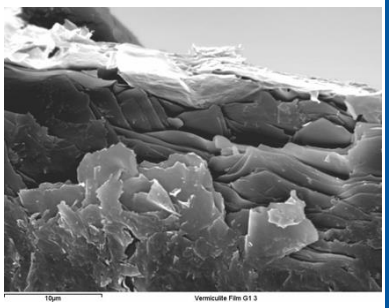
Vermiculite Dispersion

Description

Dupre Minerals' MicaShield is a stable, water based, dispersion of high aspect ratio platelets produced by the controlled exfoliation of specially selected vermiculite ores; vermiculite is the name given to a group of hydrated laminar aluminium-iron-magnesium silicate minerals. The MicaShield product range offers temperature resistant coatings up to 1100 °C that are non-flammable (unformulated) or, for formulated products incorporating organic additives, of limited flammibilty. MicaShield products are safe and easy to use, non-toxic and enviromentally-friendly.

DM335 and DM363s are highly beneficiated, 100 % inorganic products. They are commonly used to coat glass textiles where they are the main constituent of the cloth finish along with organic adhesion aids and water to control the viscosity.





Why Use MICASHIELD?

- ***Protective coating for Fibre Glass Textiles***
- ***Flame and Heat Protective Barriers***
- ***Specialist Films / Coatings***
- ***Industrial Fireproofing for combustible building materials***

How To Apply MICASHIELD

- ***Conventional industrial textile coating techniques.***
- ***Dilute with de-mineralised water to the appropriate solids content for the level of coating required.***
- ***Brush or roller on to flat surfaces / spray on to large or difficult areas.***
- ***It is the user's responsibility to establish the correct formulation and dilution for their process / application.***

Typical Properties

D_{90} (90% of particles less than)	**160 – 220 µm**			
pH	**~9**		**Solids Content**	**Viscosity* / cP**
Organic Additives	**0 %**	**DM335**	**17 ± 1 %**	**>3000**
Colour	**Gold / brown**	**DM363s**	**10.0 ± 0.2 %**	**10 – 1000**

*Brookfield viscometer, spindle No. 5 at 20 rpm.

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