

## DM777

### 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 flammibility. MicaShield products are safe and easy to use, non-toxic and environmentally-friendly.

As it is a fully formulated product with organic adhesion promoters, DM777 only requires appropriate dilution with water prior to use. The solids content of this product, measured at 110 °C, is approximately 15.5 %.

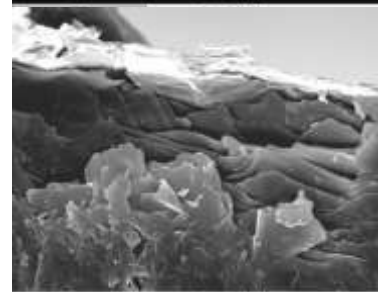


#### Why Use MICASHIELD?

- *Protective coating for Fibre Glass Textiles*
- *Flame and Heat Protective Barriers*
- *Specialist Films / Coatings*

#### 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; a commonly used dilution is: 70 % DM777 to 30 % water.*
- *It is the user's responsibility to establish the correct dilution for their process / application.*



#### Typical Properties

<b>D<sub>90</sub> (90% of particles less than)</b>	<b>130 – 200 µm</b>	<b>pH</b>	<b>7 – 10</b>
<b>Solids Content</b>	<b>15.5 ± 0.5 %</b>	<b>Organic Additives</b>	<b>10 to 20 % (Dry mass basis)</b>
<b>Viscosity*</b>	<b>3000 – 7000 cP</b>	<b>Colour</b>	<b>Gold / brown</b>

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

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Information presented above is given in good faith as accurate and reliable but is not to be taken as a guarantee. The figures provided are intended to be a guide to expected average values and should not be interpreted as a specification. Any potential applications referred to are not to be construed as recommendations. It is the responsibility of the user to determine suitability for any specific purpose.

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