

## DEF916V/1570 Vermiculite Coated

### Description

Vermiculite-coated E-glass fabric is a high-temperature resistant textile used for thermal insulation, fire protection, and heat shielding in industrial environments up to 1000°C+. The coating enhances durability, improves abrasion resistance, and reduces fraying. It is primarily used for welding blankets, fire curtains, furnace curtains, expansion joints, and pipe insulation in the, metallurgy, and manufacturing sectors.



### Applications & Performance Benefits

- **Welding & Fire Protection:** Used as welding blankets, fire blankets, and fire-resistant curtains to protect personnel and equipment from molten metal sparks and direct flame.
- **Thermal Insulation:** Used as removable insulation jackets for pipes, valves, boilers, and furnaces to minimize heat loss.
- **Heat Shields & Gaskets:** Provides thermal shielding for sensitive components and forms gaskets/seals for industrial ovens and high-temperature equipment.
- **Expansion Joints:** Used in flexible expansion joints for duct work and high-temperature machinery.
- **Industrial Protection:** Utilized in the aerospace and automotive industries for insulation and fire protection, as well as in foundries for shielding.
- **High Temperature & Fire Resistance:** The inorganic vermiculite coating provides excellent thermal protection and does not smoke or melt at high temperatures.
- **Durability & Handling:** The coating reduces fraying, making it easier to cut and sew, and improves resistance to abrasion.
- **Safety:** It acts as an asbestos-free alternative for high-heat applications

Base Fabric		Metric	Imperial	Testing Method
<b>Weave</b>		Plain	Plain	
<b>Yarn</b>	WARP	ET9 860 Tex	ETG 5.8	
	WEFT	ET9 1720 Tex	ETG 2.9	
<b>Construction</b>	WARP	5 ± 0.5 ends/cm	13 ± 1 ends/inch	ASTM D3776-96
	WEFT	2.5 ± 0.2 picks/cm	7 ± 1 ends/inch	ASTM D3776-96
<b>Width</b>		1570mm	-	-
<b>Weight</b>		816 ± 30 g/m <sup>2</sup>	24 ± 0.9 oz./yd <sup>2</sup>	ASTM D3776-96
<b>Thickness</b>		0.9 ± 0.04 mm	0.035 ± 0.002 inch	ASTM D1777-96
<b>Finished Fabric</b>				
<b>Coating</b>		Vermiculite impregnated on both sides		
<b>Weight</b>		916 ± 50 g/m <sup>2</sup>	27 ± 1.47 oz./yd <sup>2</sup>	ASTM D3776-96
<b>Thickness</b>		0.9 ± 0.08 mm	0.035 ± 0.003 inch	ASTM D1777-96
<b>Colour</b>		Brown (Yellow)		
<b>Temperature Resistance</b>	Fabric	550°C		1000°F
	Coating	700°C		1300°F

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