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VERMICULITE

VERMICULITE coated fiberglass fabrics are high temperature resistant fabrics woven from “E” Glass fibers and coated with VERMICULITE-based film.

VERMICULITE, a naturally occurring, micaceous hydrated magnesium-aluminum-silicate product, is asbestos free and 100% inorganic.

Microscopic, disc-shaped platelets within the VERMICULITE film overlap and stack. These platelets are embedded within the fabric’s fiber bundles. Coated on the surface, these platelets form an insulating film that acts as an effective flame/heat barrier.

Two fabric styles are offered - 84215 and 2025. The chart below represents comparative data on each.

<u>Properties</u>	<u>84215</u>	<u>2025</u>
Weight (oz. / sq. yd.)	9.20	17.85
Thickness (inches)	0.0189	0.0288
Warp Tensile Strength (lb./in.)	170	400
Filling Tensile Strength (lb./in.)	120	250

Testing has confirmed that VERMICULITE has a service temperature of 1500°F, compared to a service temperature of 1000°F for standard 2025/9383 (E-Glass). At temperatures in excess of 1000°F, the VERMICULITE finish insulates the glass and while the material will become brittle, the VERMICULITE will not melt or shrink at temperatures up to 1800°F and will continue to perform as an effective flame/heat barrier. Even under direct flame, these fabrics are odorless and virtually smokeless.