Technical Overview

Vermiculite Coated Fiberglass Welding Blanket

High-temperature fire protection blanket for welding, cutting, and hot work operations in industrial environments.

Base material	Woven fiberglass fabric
Surface treatment	Vermiculite coating
Primary function	Welding spark, spatter, and radiant heat protection
Typical use	Welding, metal fabrication, construction, shipbuilding
Form	Blanket / sheet

Product purpose

The Vermiculite Coated Fiberglass Welding Blanket is designed to protect personnel, equipment, and surrounding areas from welding sparks, molten metal spatter, and radiant heat during hot work operations.

Typical applications

• Welding and cutting operations (MIG, TIG, stick welding)
• Metal fabrication and maintenance work
• Construction sites and industrial workshops
• Shipbuilding and offshore fabrication

Common welding-related risks

Spark and spatter ignition: Molten metal droplets may ignite nearby combustible materials.
Radiant heat damage: Heat radiation can damage hoses, cables, and equipment.
Mechanical wear: Repeated handling and dragging may degrade blanket surfaces.

Protective function

The vermiculite-coated surface resists molten metal splash and enhances abrasion durability, while the fiberglass core provides effective radiant heat shielding.

Installation and use guidelines

• Drape the blanket over or around the area requiring protection
• Ensure full coverage of spark and spatter exposure zones
• Secure edges if required to prevent movement during welding
• Allow the blanket to cool before handling after use

Limitations

This product is designed for welding and hot work protection only. It is not intended for continuous flame exposure, thermal insulation, or use as personal protective equipment.

Reference product page

https://www.silicasleeve.com/vermiculite-coated-fiberglass-welding-blanket_p153.html

Engineering disclaimer: Final performance depends on application conditions, installation method, and exposure severity.