



TECHNICAL DATA SHEET

SILICA WELDING BLANKET

Product Introduction

Silica fabric is a flexible fabric developed to replace asbestos fabric in welding and stress relieving applications where protection against heat or molten metal is necessary. Silica cloth is used where special protection is required from welding sparks when fire and light burning is required.



Features

- Withstands continuous heat up to 1000°C and temperatures as high as 1260°C.
- Constructed using vermiculite and inorganic heat-resistant fibers.
- Free from asbestos, making it safe and environmentally friendly.
- Ideal for protecting nearby surfaces and equipment during welding and cutting tasks.
- Customizable according to customer requirements.
- Edges are reinforced with brass eyelets and stitched with high-temperature Kevlar or fiberglass threads.

Product Specifications :

Weight: 720 gsm

Width: 36 inches

Thickness: 0.8 mm

Base Fabric Silica: Minimum 96% - No Asbestos

Weave: Satin

Colour: Natural Grey

Temperature Resistance:

- 1800°F continuous
- 2300°F intermittent
- 3000°F melting temperature

Abrasion Resistance: Very good

Base Fabric Certifications: 96% and higher silica content

Thermal Conductivity: 0.3385 W/mk (Btu in./hr.ft²°F)

Emissivity @1093°C: 0.8

Test Certificate:

ATIRA APPROVED : AS PER IS 11871 P/A