



Claretex Hysil 48 is a lightweight satin weave silica fabric designed to provide protection from high heat and molten metals. It serves many heat shield applications for aerospace, industrial, power, and marine industries.

Applications

- Welding blankets, welding drop cloths, stress relief blankets, heat shield applications, insulation mats, and furnace curtains.
- Personnel and equipment protection in light- to medium-duty welding applications.

Features and Benefits

- Lightweight 18 oz/yd² woven silica.
- Superior thermal protection and heat resistant properties.
- Resists high temperature sparks, flame, and low levels of molten metal.
- Excellent chemical resistance.
- No asbestos or ceramic fibers.
- Continuous service temperature of 1800° F.
- Generates almost no smoke or fumes under the most severe heat conditions.
- Available in fabrics, ropes, sleeving, tapes, mats, and yarn.
- Easy fabrication.

Compliance Specifications:

- MIL-C-24576 Ty. 1, Cl. 1 and 2
- MIL-I-24244
- NRC 1.36

Standard Size Rolls

36 in. wide x 50 linear yards (91.4 cm x 45.7 m)

60 in. wide x 50 linear yards (152.4 cm x 45.7 m)

Hysil 48 Physical Properties

Weave Construction	8 Harness Satin
Weight	18 oz/yd ² +-10% (610 grams/m ² +-10%)
Thickness	0.026 in. +-10% (0.66 mm +-10%)
Temperature Resistance	1800°F Continuous
Melting Temperature	3000°F (1649°C)
Silicon Dioxide Content	≥96%



With decades of experience, Claremont can customize Hysil 48 into a variety of configurations, ranging from simple blankets to complex custom equipment covers.

The Claremont Corporation

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