



Claretex Hysil 58 is a satin weave silica supplied in the loom state. It is designed for use in a variety of applications where thermal protection and heat resistance requirements exceed those offered by traditional woven glass textiles. 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 high temperature environments.

Features and Benefits

- Heavyweight 36 oz/yd² woven silica.
- Superior thermal protection and heat resistant properties.
- Resists penetration of weld “slag” and passes burn-through test.
- 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 58 Physical Properties

Weave Construction	12 Harness Satin
Weight	36 oz/yd ² +-10% (1220 grams/m ² +-10%)
Thickness	0.045 in. +-10% (1.14 mm +-10%)
Tensile Strength (Warp)	390 lb/in.
Tensile Strength (Fill)	340 lb/in.
Temperature Resistance	1800°F continuous (980°C)
Melting Temperature	3000°F (1649°C)
Silicon Dioxide Content	≥96%



With decades of experience, Claremont can customize Hysil 58 into a variety of configurations, ranging from simple blankets to complex custom equipment covers.

* The information included in this data sheet is subject to normal manufacturing and testing variances. It is supplied only as a technical service and is subject to change without notice.