



REFRASIL[®] UC100-48 and 96 **HIGH STRENGTH MEDIUMWEIGHT AMORPHOUS SILICA CLOTH**

PRODUCT INFORMATION

REFRASIL[®] UC100 Series Cloth is a high strength acid-leached amorphous silica cloth that is specially made to maximize both temperature resistance and ambient temperature physical strength. All HITCO silica cloths are manufactured to silica contents of 96% or greater. This silica level is necessary to obtain a temperature resistance of 1800°F. All of the HITCO UC100 series fabrics are economical alternatives to silica cloths that either do not perform at 1800°F or have low physical strength and abrasion resistance.

PRODUCT FEATURES

- High strength and abrasion resistance
- Easy to fabricate
- Aluminum and silicone coatings available
- High silica content - excellent property retention @ 1800°F
- Meets MIL-C-24576A
- Available in uncoated/unsized condition for elastomer coating and laminating applications

APPLICATIONS

- Removable insulation pads
- Welding screens and curtains
- Automotive Heat Shields
- Mufflers and Silencers
- Stress relieving blankets
- Fireproof building material

NOMINAL PROPERTIES

	<u>UC100-48</u>	<u>UC100-96</u>
• Silica Content, %	96	96
• Width, in	36	36
• Weight, oz/yd ²	20	36
• Thickness, in	0.032	0.052
• Roll Length, yd	50	50
• Fabric Style	8-harness satin	12-harness satin
• Melting Point, deg F	2900	2900