



REFRASIL® UC100-48 AC-1 & UC100-96AC-1 ALUMINIZED SILICA FABRICS

PRODUCT INFORMATION

REFRASIL® UC100-48 and UC100-96 silica fabrics are available with aluminum foil bonded to one side. The aluminum provides a tough, impermeable, heat reflective coating that allows the silica fabric to be used in a variety of demanding applications. Although the foil is considered to be sacrificial at temperatures above 1100°F the aluminum will withstand continuous operating temperatures in the 600°F range with no significant degradation. However, long term exposure at temperatures above 600°F will ultimately degrade the adhesive used to laminate the aluminum to the cloth substrate. As with all REFRASIL products, the base fabric will withstand temperatures up to 1800°F and will not melt until temperatures reach over 2900°F.

PRODUCT FEATURES

- Reflects radiant heat
- Easy to fabricate with
- Water resistant
- Abrasion resistant
- Resistant to air flow
- Non permeable surface

APPLICATIONS

- Expansion joints
- Thermal shielding
- Valve and pipe covers
- Industrial bellows
- Engine compartment linings
- Die cut gaskets
- Fire resistant articles

NOMINAL PROPERTIES

	<u>UC100-48 AC/1</u>	<u>UC100-96 AC/1</u>
• Silica Content, %	96	96
• Width, in	34-35	34-35
• Weight, oz/yd ²	21	37
• Thickness Base Fabric, in	0.032	0.052
• Aluminum Foil Thickness	0.0005	0.0005
• Roll Length, yd	50	50
• Melt Point Base Fabric, °F	2900	2900