



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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## AVSiil® SILICONE COATED TWO-SIDED SILICA FABRICS

### Product Description

**AVSiil® Silrub Two-Sided Coated Silica** are engineered for industrial application requiring a compromise of thermal protection and abrasion resistance properties. The silicone coating improves the fabric handling properties while improving the fabrics capability to withstand high levels of molten metal exposure. **AVSiil® Silrub Two-Sided Coated Silica** is used extensively in the Power Generation (Nuclear Approved), Refinery, Shipbuilding, Ship Repair and Metal Processing Industries.

### Features

- Resists Penetration of Weld “Slag” and Passes Welding “Burn Through” Test
- Fireproof
- Water and Oil Repellent
- Easily Sewn and Fabricated
- High Strength and Flexibility
- Protects Equipment and Personnel in the Toughest Welding Applications
- Protects Against Hot Work Fires
- Good Abrasion Resistance
- Protects Against Harsh External Environment
- Wide Product Variety (Blankets, Curtains, Covers)
- Multiple Product Use and High Product Value

### Technical Data Properties

	<b>SILRUB 84CH-2</b>	<b>SILRUB 124CH-2</b>	<b>SILRUB 188CH-2</b>
Standard Silicone Color	Iron Oxide Red	Iron Oxide Red	Iron Oxide Red
Nominal Width, in	36, 60	36	36
Coated Surfaces	2	2	2
Nominal Weight: oz/yd <sup>2</sup> (grams/m <sup>2</sup> ) Base Fabric	18 (610)	32 (1085)	36 (1220)
Nominal Weight: oz/yd <sup>2</sup> (grams/m <sup>2</sup> ) Silicone	12 (407)	14 (475)	14 (475)
Total Nominal Weight: oz/yd <sup>2</sup> (grams/m <sup>2</sup> )	30 (1017)	46 (1560)	50 (1695)
Base Fabric Silica Content (%)	≥95	≥95	≥95
Base Fabric Weave Construction	8 Harness Satin	12 Harness Satin	12 Harness Satin
Base Fabric Melting Temperature: °F(°C)	3000 (1649)	3000 (1649)	3000 (1649)

### Notes:

1. Standard Roll length is 50 yards, and roll width is 36 inches. Other roll lengths are available.
2. Silicone coating is applied to both sides of the fabric. Silicone coating will lose 50% of its original elongation at 600°(316°C) and some silicone polymer will start to degrade at that temperature.
3. AVSiil® fabrics are amorphous silica fabrics and contain no asbestos or ceramic fibers.
4. Standard Silicone Color – Iron Oxide Red. Other Silicone Colors are available upon request.

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use the AVSiil® Silrub Silica Products. AVSiil® Silrub Silica Products will have varying degrees of effectiveness for each potential application depending on the maximum temperature attained, the length of use, and the amount of temperature fluctuation. If the customer has any questions regarding the use of AVSiil® Silrub Silica Products in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the AVSiil® Silrub Silica Products for testing. This product is not warranted against injuries or damages of any kind caused by uses for which this product was not designed, intended, or tested by AVS Industries, LLC.