



WHEN THE **HEAT** IS ON, KEEP YOUR COOL WITH **AVS!**

**TDS-133**  
**May 2019**

## **AVSi<sup>®</sup> SILICONE COATED TWO-SIDED SILICA FABRICS**

### **Product Description**

**AVSi<sup>®</sup> Silrub silicone coated two-sided** silica fabrics engineered for industrial applications requiring a compromise of thermal protection and abrasion resistance properties. The high-performance silicone coating improves the fabric handling properties while improving the fabrics capability to withstand a moderate levels of molten metal exposure. The base fabric will remain pliable after exposure to continuous temperatures up to 1900°F (1038°C). **AVSi<sup>®</sup> Silrub silicone coated two-sided** silica fabrics are used for fabricating textile parts to support many industrial applications. These fabrics are also utilized in Power Generation (Nuclear Approved), Refinery, Shipbuilding, Ship Repair and Metal Processing Industries.

### **Features**

- Fireproof
- Water and Oil Repellent
- Easily Sewn and Fabricated
- High Strength and Flexibility

### **Benefits**

- Protects Equipment and Personnel in hot work applications with extreme or heavy welding, sparks, and molten metal splatter.
- Good Abrasion Resistance
- Protects Against Harsh External Environment

### **Technical Data Properties**

	<b>Silrub 84CH-2</b>	<b>Silrub 136CH-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 Surface(s)	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	14 (475)	16 (542)	16 (542)
Total Nominal Weight: oz/yd <sup>2</sup> (grams/m <sup>2</sup> )	32 (1085)	48 (1627)	52 (1763)
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.
2. Silicone coating is applied to both sides of the fabric.
3. Silicone coating has a high temperature resistance of up to 500°F (260°C).
4. AVSi<sup>®</sup> fabrics are amorphous silica fabrics and contain no asbestos or ceramic fibers.
5. 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 AVSi<sup>®</sup> Silrub Silica Products. AVSi<sup>®</sup> 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 AVSi<sup>®</sup> Silrub Silica Products in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the AVSi<sup>®</sup> 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.