



## TTT-TUFFCOAT-2.0

### 1 DESCRIPTION

Tuffcoat 2.0 has a thick silicone rubber coating on fiberglass fabric that can withstand repeated exposures to molten steel, molten aluminum, and molten glass up to 3000°F (1650°C) in a short time. The heavy coating of the iron oxide red silicone rubber compound sheds molten metal splash immediately, so very little heat transfer occurs. When exposed to flames, the silicone rubber transforms into a crust, creating a protective SiO<sub>2</sub> refractory layer. Modulus of elasticity on the Tuffcoat 2.0 makes it an ideal choice for bundling hoses, tubes, and cables in a variety of hostile environments.

### 2 APPLICATIONS

Typical applications for Tuffcoat 2.0 include protecting hoses and cables in steel mills, aluminum smelting plants, offshore drilling rigs, foundries, and glass manufacturing facilities. Additional uses include the bundling of multiple hoses and cables together while providing good abrasion resistance.

### 3 ADVANTAGES

Our Tuffcoat material has high-temperature and chemical exposure capabilities, as well as an excellent modulus of elasticity. This allows this fabric to easily stretch and expand over fittings and connectors. The outer cover offers excellent resistance to most industrial chemicals and hydraulic oils. Additionally, the special formulation of liquid silicone rubber prevents fraying and the absorption of flammable oils or other contaminants into exposed glass fibers. Finally, this material is outstanding when it comes to molten splash resistance, flexibility, and water and oil resistance, and is very good concerning flame and abrasion resistance.

### 4 PROPERTY DATA

Characteristics:	Method:	English Values:	Metric Values:
Weight	N/A	85.5 oz/yd <sup>2</sup>	2900 g/m <sup>2</sup>
Thickness	N/A	0.08 in	2.0 mm
Max Short Term Exposure	N/A	3000°F	1650°C
Continuous Operating Temp	N/A	500°F	260°C
Color	N/A	Brick Red	

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