

Silicone Rubber Heating Blanket Selection Guide

BriskHeat Heating Blankets	SRMU Multi-Use Style Blankets (page 2-3)	SRL Blankets for Metal Surfaces (page 2-6)	SRP Blankets for Metal or Plastic Surfaces (page 2-6)	SRX Blankets for Hazardous Areas (page 2-7)	SREH Enclosure Heaters (page 2-8)
Energized Exposure Temperatures	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)	450°F (232°C)
De-energized Exposure Temperatures	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)	500°F (260°C)
Minimum Exposure Temperature	-60°F (-51°C)	-60°F (-51°C)	-60°F (-51°C)	-60°F (-51°C)	-60°F (-51°C)
Available Voltages	120VAC	120, 240, 480VAC	120, 240, 480VAC	120, 240VAC	120VAC
Power Density	2.5, 5, or 10 Watts/in ² (0.39, 0.78, or 1.55 Watts/cm ²)	2.5 Watts/in ² (0.39 Watts/cm ²)	1.25 Watts/in ² (0.19 Watts/cm ²)	2.5 Watts/in ² (0.39 Watts/cm ²)	4 Watts/in ² (0.62 Watts/cm ²)
Dielectric Strength	Over 2000 volts	Over 2000 volts	Over 2000 volts	Over 2000 volts	Over 2000 volts
Adhesive Backing	Optional	Optional	Optional	Required	N/A
Power Leads	12" (30.48 cm) TEFLON®	4 FT (1.2 m) silicone rubber	4 FT (1.2 m) silicone rubber	4 FT (1.2 m) silicone rubber with tinned copper overbraid	12" (30.48 cm) TEFLON®
Resistance to Moisture	Good	Good	Good	Good	Good
Resistance to Chemicals	Good	Good	Good	Good	Good
Resistance to Flame	Poor	Poor	Poor	Poor	Poor
Resistance to Radiation	Good	Good	Good	Good	Good
Suitable Locations	Ordinary Metal surfaces	Ordinary Metal surfaces	Ordinary Metal or Plastic surfaces	Class 1 Division 2 Group B, C, & D Metal surfaces	Enclosure interiors
Silicone thickness per layer	0.015 mils	0.020 mils	0.020 mils	0.025 mils	0.015 mils
Silicone density per layer	16.8 oz/yd ² (0.06 grams/cm ²)	21.7 oz/yd ² (0.07 grams/cm ²)	21.7 oz/yd ² (0.07 grams/cm ²)	26 oz/yd ² (0.09 grams/cm ²)	16.8 oz/yd ² (0.06 grams/cm ²)
Grounded		●	●	●	
Approvals	UR pending	UR pending	UR pending	CSA pending Factory Mutual: Ordinary Locations Hazardous Locations: Class I, Division 2, Groups B, C, & D	UR pending

NOTE: All BriskHeat Silicone Rubber Heating Blankets must be used with appropriate control.
See Section 9 for more information.