

# HT-106 High Temperature Silicone

## Our 50 years of coating history speaks for itself.

In 1964, Heresite was the first company to apply coatings to aluminum-finned, copper-tubed heat exchangers and radiators. The Heresite coating became then, and still remains a standard in the industrial coatings industry. We provide the highest quality protective coatings for heat exchange systems that operate in moderate to severely corrosive environments, including both coastal and/or industrial applications.

## New product for high temperature environments

Our latest introduction to the Heresite product family — HT-106 is a high temperature coating. This is a high performance modified silicon polymer coating developed specifically for complex geometry heat transfer equipment which requires high temperature heat resistance. This coating leverages a unique chemistry, designed to protect against degradation due to the combination of high temperature and chemical exposure.

## HT-106 Typical Properties

**Maximum Heat Resistance:** 300°C (~570°F) with an aggressive ramp from room temperature to 300°C in one minute

- Possible applications to 600°C (~1100°F) dependent on service conditions, contact Heresite representative for further information

**Cross-Hatch Adhesion:** 4B-5B on Copper, Aluminum and Steel

- Adhesion remains consistent at 4B-5B, after 25 cycles of the aggressive ramp from room temperature to 300°C in one minute and then held at 300°C for 16 hours

**Cure Schedule:** 1 hour metal temperature at 200°C

**Dry Film Thickness:** Approximately 0.7–1.5 mils

**Solvent Resistance:** >30+ double MEK wipes

**Chemical Resistance at Room Temperature:** Sulfuric acid resistant at 0.5% for approximately 500 hours; Ammonia resistant (concentrated) for approximately 1,500 hours

**Color:** Gray-aluminum