



# Product Data Sheet

## Coatings, Sealants & Adhesives

### RiteHeat RH Series

#### High Temp 850F° Air Dry Coating

##### General Description

RiteHeat RH102 is an air cured silicone modified coating for industrial interior & exterior direct to metal applications requiring excellent heat resistance, weathering, corrosion and water resistance. Sufficient film build can be achieved with a single coat application. Typical uses include; pipelines, steamlines, pumps, radiators, boilers, exhaust stacks, storage tanks, etc., where max operating temperature is 850°F.

##### Mixing and Thinning Instructions:

Mix well with mechanical mixer or shaker. No reduction is necessary. If reducing or thinning is required, please contact your Ritek technical service representative for instructions.

##### Directions for Use:

Surface must be clean, dry, sound and free of dirt, dust, grease, oils, residues, waxes, water, foreign particles, and any other contaminants that may interfere with coating adhesion and intimate contact with substrate. Prepare the substrate by abrasive blasting, high pressure water/steam cleaning, chemical cleaning and/or other approved method to achieve clean and sound surface, including priming.

RiteHeat RH102 is designed to be spray applied using conventional, air assisted or airless spray with 0.010"-0.013" tips. Brush and roll applications can be used when necessary. During application, the substrate temperature must be 5 degrees above the dew point. Condensation due to substrate temperatures below the dew point can result in flash rusting on prepared steel and negatively impact adhesion to the substrate.

##### Clean up:

Clean all equipment immediately after use with methyl ethyl ketone (MEK), acetone, or other Ritek approved solvents. Use clean solvent only. In case of spill, absorb and dispose of in accordance with local, State, and/or Federal regulations.

##### Storage & Shelf Life:

Store indoors in original, tightly sealed container out of direct sunlight between 40°F (5°C) and 100°F (38°C), 0% to 90% relative humidity. Warranted shelf life is 12 months from date of manufacture (DOM) in original unopened and properly stored container.

##### Typical Mixed Properties

Color	Silver or Black
Type	Air Dry Silicone
Viscosity (77°F)	20-25 second #3 Zahn
Weight / Gallon	9.0-9.3 lbs/gal
% Solids (by Volume)	35-37%
% Solids (by Weight)	49-51%
VOC	4.5-4.7lbs/gal
VOC (less water/exempt)	4.5-475 lbs/gal
Flash Point	80°F
Gloss	5-15°
Recommended DFT	2-4 mils (50-100 um) per coat
Maximum DFT	8 mils (200 um) per coat
Coverage	577 ft <sup>2</sup> @ 1.0 mil
Dry @ 77 degrees F	30 min touch 1hrs handle 8 hrs hard
Pot life @ 75°F	N/A
Max Heat Resistance	850°F
Mix Ratio	N/A

*Typical properties given do not constitute a supply specification.*

##### Packaging/Storage

RiteHeat RH102 is available in 1-gallon, 5-gallon and 55-gallon steel drums. For additional packaging options, please contact your local Ritek representative.

##### Safety, Health and Environmental Info:

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

Avoid contact with skin and use good ventilation. Wear chemically resistant gloves (nitrile are recommended) and chemical safety glasses. If skin contact is made, wash immediately with soap and water. Do not use solvents to clean skin.

FOR PROFESSIONAL USE ONLY  
NOT FOR RESIDENTIAL USE  
KEEP OUT OF REACH OF CHILDREN

We warrant our products to be of good quality and will replace or, at our discretion, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, RITEKS MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. Ritek shall have no other liability with respect thereto. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection there with. The information provided herein is based on technical data that Ritek, Inc. believes to be reliable. Ritek, Inc. makes no representation or warranty as to the completeness or accuracy thereof and assumes no liability resulting from its use for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgment as to the appropriateness of its use and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.



11917 Cutten Road Houston, TX 77066  
Ph: [281] 569-3500 • Fax: [281] 569-3508  
[www.riteks.com](http://www.riteks.com)