

RiteHeat RH Series

High Heat 1200F Silicone Coating

General Description

RiteHeat RH100/RH101 is a low VOC air cured silicone 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, steam lines, pumps, radiators, boilers, exhaust stacks, storage tanks, etc., where max operating temperature is 1200°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's 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 RH100/RH101 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's 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)	10-15 second # 5 Zahn
Weight / Gallon	9.0-9.3 lbs/gal
% Solids (by Volume)	32-34%
% Solids (by Weight)	43-45%
VOC	3.0-3.1lbs/ gal
VOC (less water/exempt)	3.4-3.5 lbs/gal
Flash Point	40°F
Gloss	Semi
Recommended DFT	2-4 mils (50-100 um) per coat
Maximum DFT	8 mils (200 um) per coat
Coverage	520-540 ft ² @ 1.0 mil
Dry @ 77 degrees F	30 min touch 2 hrs handle 24 hrs hard
Pot life @ 75°F	N/A
Max Heat Resistance	1200°F
Mix Ratio	N/A

Typical properties given do not constitute a supply specification.

Packaging/Storage

RiteHeat RH100/RH101 is available in 1-gallon, 5-gallon and 55-gallon steel drums. For additional packaging options, please contact your local Ritek's 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.

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NOT FOR RESIDENTIAL USE
KEEP OUT OF REACH OF CHILDREN

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