



838 COATINGS
12800 State Hwy 13, STE 400
Savage, MN 55378

PRODUCT INFORMATION SHEET

838 Si-High

High Solids Elastomeric Coating

DESCRIPTION

838 Si-High is a silicone based, high solids, Solvent-free elastomeric roof coating. This white, highly reflective coating exceeds ENERGY STAR® roof coating requirements. 838 Si-High is a “Cool Coating” that helps reduce interior building temperatures by lowering the surface temperature of the roof. In addition to high reflectivity, 838 Si-High exhibits excellent adhesion and as a solvent based coating, it can be applied in cold weather if substrate is dry and frost free. After application and curing, the coating forms a durable membrane that is both weatherproof and breathable. This membrane protects the roofing substrate from moisture and the sun's harmful UV light providing excellent weathering resistance.

USES

838 Si-High is designed to protect and adhere to a variety of roofing substrates including: metal, EPDM, PVC, spray polyurethane foam (SPF), wood and concrete. It may be applied by brush, roller or airless sprayer. Substrate must not pond water and be free of ice, snow and all types of debris prior to application. Contact manufacturer if substrate temperature is above 120°F.

ADVANTAGES

- Highly Reflective and designed to reduce roof substrate temperatures
- 100% Silicone
- 0% Water Swelling
- Warranted – 10 year material warranty
- Available in 5-gallon, 55-gallon
- Breathable

NOTES: For application questions, please call 763-972-9441. See SDS for additional product information.

838 Si-High Technical Data

Application Rate	1.0 to 4.0 gallons per 100ft ² depending on substrate – Contact manufacturer
Application Temperature	40°F to 120°F (substrate)
Application Method	Airless spray, roller or brush
Total Solids by volume, ASTM D-2369	>93%
Weight per Gallon	12.1 lbs
Viscosity (75°F)	22,000 ± 3,000 cps
Elongation / Tensile Strength	> 239% / > 247 psi
Water Permeability, ASTM E-96	10.7 perms
Water Swelling (20 mil film, 73°F, 168 hrs)	0.0%
Solar Reflectivity, ASTM C-1549	89%
Emissivity, ASTM C-1371	90
Flame Spread, ASTM E-108	Class A