



EnerFlex Siliconized – SA 200 is a Premium Elastomeric Roof Coating, which is exceptionally flexible, offers strong water resistant and solar reflective properties. It is a single component innovative technology 100% acrylic-silicone coating, designed for roof and walls application with outstanding adhesion. It does not require primer on most surfaces. After application, it will provide a thick, high performance, water, and weather resistant armor. EnerFlex Siliconized – SA 200 offers the highest possible reflecting properties in its class, resulting in significant roof temperature drop. Another unique advantage is its quick drying, it dries much faster than the normal elastomeric coatings, substantially reducing turnaround time. This premium coating will not crack, peel or blister even under severe weather conditions. It's the ultimate solution to extend the roof life.

KEY FEATURES & BENEFITS

- 10X better water resistant
- Unique Silicone modified acrylic technology
- 90% solar reflectivity turns roof into cool roof
- Reduces energy cost with excellent UV resistance
- Excellent mold resistance, Low VOC & Quick drying time

EnerFlex Siliconized – SA 200 exceeds peel testing requirements, demonstrating its exceptional adhesion properties. It can be applied on wide range of substrates, such as Concrete, BUR, Polyurethane Foam, Bitumen Membranes, Metal Galvanized Sheets etc.

SURFACE PREPARATION

Before the start of application, ensure any existing mildew is removed and the roof surface is properly clean and dry. All the existing debris and loose coating must be removed. During cleaning process, identify ponding water areas and use appropriate material to correct the surface slope and ensure proper water drain before the coating application. Use primer only if required.

REPAIR BEFORE APPLICATION

On **concrete** surfaces, repair all cracks, holes and joints using high quality masonry cement mix. Apply concrete mix and let to cure.

On **metal** roofs, remove rust and use Antirust primer, EnerPrime 100. Replace loose fasteners. Old fasteners must be covered with EnerSil Mastic and let it dry for 24 hours. All metal overlaps should be covered using EnerSeal Fleece Top Tape.

On existing **PU Foam** roofs, make sure that the existing surface is in good condition and can take coating.

On existing **Asphalt membranes** or **BUR**, make sure to wash the surface and remove all loose gravel. For all deboned areas, treat them by cutting those sections, cleaning the underneath surface and apply EnerSeal Fleece Top Tape.

APPLICATION GUIDELINES

Before starting the application, ensure all joints and cracks are clean and dry. Using scrapper or putty knife apply EnerSil Mastic sealant on cracks and joints and let it dry for 24 hours.

TECHNICAL DATA

Characteristics	*Values
Product Type	100% Acrylic with Silicone
Volume Solids (%)	69
Weight/Gallon	11.5 lbs (5.22 Kg)
Tensile Strength	265 psi
Elongation at Break	245%
Water Permeability	32 perms
Viscosity	30,000 cps
VOC	30 g/l
Drying Time	Touch Dry: 2 – 4 hrs Recoat: 24 – 36 hrs
Thinning	Not Required
Flash Point	Non-flammable
Color	White

Note* Above technical data contained is true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

Open the pail, mix it thoroughly and apply using rough 3/4" nap roller or airless spray equipment*. Apply first coat at the rate of 50 – 100 ft²/gal. (depending on substrate and surface condition) Avoid applying twice on the same area and recoat interval must not be less than 24 hours. Carry out application only when temperature is above 50°F (10°C) and rising. Minimum 2 coats are always recommended; more coats can be applied depending on the substrate and surface roughness. Do not thin or dilute coating.

If Polyester Fabric Mesh is used, it should be embedded on top of freshly applied first coat. Embed gently for the mesh to soak in and remain wrinkle free. For more information, it is important to consult the technical data sheet of the fabric mesh. Flat or low slope roof surfaces must be inspected annually after application to ensure any timely maintenance.

Airless Spray Equipment Guidelines*: Use an airless pump of 1,500 to 2,500 psi pressure. Feed rate can vary from 1 – 2 gal. per minute. Tip size should be 0.026 to 0.035. Use high pressure rated hoses with an inside diameter of 3/8". Clean roller and spraying equipment after use.



COVERAGE

Each coat should be 1.5 gal. per 100 ft² and minimum 2 coats are recommended for each application. Actual coverage may vary depending on the substrate and surface condition. Total dry film thickness must be 35 mils minimum.

DRYING TIME

Approximately 4 - 6 hours for touch dry. Curing time is dependent on the thickness of the coating, relative humidity and temperature. Allow 24 - 36 hours before recoating, depending on weather conditions.

HAZARDS

This product contains silicone and acrylic resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Keep out of reach of children. Ask for safety data sheet for more information.

WARNING

Do not store exposed to sunlight and temperatures above 105°F (40°C). Do not let product to freeze. PPE must be used while opening and application of the product. Before transporting, ensure the lid is tight and pail is upright and secure. During transportation take necessary actions to prevent damage from accidental spills.

LIMITED WARRANTY

Manufacturers extend limited warranty with liability extending only to the replacement of material, if it fail to comply with quality standards or specifications.

Disclaimer:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

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