



EnerFlex-SP 200 is ENERCON's Superior Liquid Silicone Roof Coating. EnerFlex SP 200 is 100% Solids, solvent-free, single component, moisture cured liquid silicone roof coating. It cures to form a highly elastic and impermeable membrane. ENERFLEX-SP 200 forms a seamless membrane, which is 100% bonded to the substrate. Even if it gets damaged at some point, water does not spread through the entire surface of the substrate, and the damaged membrane can easily be repaired locally. It has got excellent resistance to extreme weather conditions and elastic properties even at low temperatures

KEY FEATURES

- 100% Waterproof
- Cool Roofing helps lower utility bills
- Strongest adhesion with all types of substrates
- Extends roof life and reduce maintenance costs
- Extremely durable, weather resistant and high UV resistant

APPLICATION GUIDELINES

Applicable Substrates:

ENERFLEX-SP 200 can be directly applied to almost any substrate such as metal, concrete, wood or on top of any existing coatings such as, TPO, EPDM, Singly Ply membrane, Smooth or Granulated membrane.

Preparation:

The surface must be clean from loose particles, dirt, dust, oil, etc. ENERFLEX-SP 200 should generally be applied on dry and sound surfaces. Old coatings should ideally be removed if they are loosely held on to the existing surface. The substrate should be pressure washed prior to coating application. A moisture content of less than 5% is generally recommended in concrete surfaces. All joints, cracks and extrusions should be sealed using ENERSEAL-XB or ENERSEAL Tape prior to the application of ENERFLEX-SP 200. EPDM roofs may require aggressive power washing and need to be cleaned twice to remove all surface contamination

Priming:

ENERFLEX-SP 200 can mostly be applied without the use of a primer. However, it is recommended to use Ener-PrimeIII as bleed-block primer on top of bitumen surfaces or Ener-Prime 222 as Anti-Rust primer for rusted metal sheets. Generally, an adhesion test is recommended before application to determine the requirement of a primer to improve adhesion

Mixing:

Mix well prior to the use, as coating may settle during storage. Mixing can be done using a drill or a mixing paddle. Use a clean and min. 3" diameter mixing paddle or hand mix with a suitable and clean paddle until consistent viscosity is achieved. Do not thin the product.

TECHNICAL PROPERTIES

Characteristics	Values
Density	1.36 g/cm ³
Viscosity	2,000 - 4,000 cps
Tensile Strength	> 250 psi
Elongation at Break	> 300%
Hardness Shore A	> 50
Water Vapor Permeability (73°F & 75% RH)	12.7 g/m ² /day

Application:

ENERFLEX-SP 200 can be applied using nap roller, soft brush, or airless spray gun. ENERFLEX SP 200 can be applied in single coat application, however, in case of second coat application, wait for at least 8 - 12 hours after first coat application. Drying time is significantly affected by the weather conditions. Use a nap roller to apply EnerFlex SP 200 onto flat roof surface and roll out evenly, or spread with a squeegee then immediately back roll for smooth finish. Airless spray can also be used to spray evenly to achieve consistent coverage. To make walkways, coarse quartz particles can be sprinkled on top of freshly applied topcoat. ENERFLEX-SP 200 is 100% UV and color stable.

Weather Conditions:

Rainy weather should be avoided. It is recommended to carry out ENERFLEX-SP 200 application between temperatures 40°F to 120°F and relative humidity lower than 70%.

Packaging Size:

4.75 Gal

Curing time

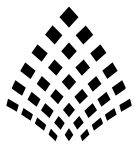
12 to 24 hours depending on weather conditions.

Colors:

White & Grey

Shelf life:

Minimum 12 months from the date of production in sealed containers (when stored in dry, cool, and covered area)



Coverage:

Coverage of 1.8 – 2.8 gallons per square (1.2 – 0.8 m²/L) is recommended and can be achieved in a single coat. However, consumption may vary depending on surface texture, porosity, and application specification and additional coats may be required.



PRECAUTIONS

Storage & Handling:

Protective clothing, gloves, and eyewear should be used during application. Do not heat the pails or place the pails near the heated surface. Keep the pails sealed, when not in use. Material must be stored in a shaded area with temperatures between 50 °F and 85 °F. Storage at temperatures outside these conditions or at relative humidity over 65% will reduce the shelf life. Ensure to tightly seal the pail after opening and when not in use. Opened pails must be used within 2 – 3 days after opening. If a skin forms at the top of opened pail, remove prior to mixing material. When transporting this product, ensure that the lid and openings are tightly sealed. Do Not allow products to tumble or shift as this may cause leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle

Warranty & Limitations of Liability:

We warrant that this product shall be free of any defect in material at the time of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. **LIMITATION OF LIABILITY:** In the event of a defect or failure falling under this warranty, Buyer's sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental, or consequential damages, whether based on contract, or any other legal theory.

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