

# Duracool D200 Silicone Coating

### Description

Duracool D200 Silicone Roof Coating is a one-component, moisture curing silicone rubber roof coating system designed for use on existing smooth surface BUR, granulated cap sheet, well-adhered acrylic coating, concrete, metal, sprayed-in-place polyurethane foam and various single-ply membrane roofing.

The system provides long-term protection because it resists weathering, aging, oxidation, wind-driven sand, rain and snow, the effects of ozone, ultraviolet radiation and the temperature extremes typically found on roofs. With its high solids content and absence of hydrocarbon solvents, Duracool D200 can be applied in excess of 40 mils in a single coat without blistering, while maintaining maximum adhesion. Duracool D200 Silicone Roof Coating is available in custom colors.

### Composition and Materials:

Duracool D200 Silicone Roof Coating is a dispersion of silicone rubber. This coating is a one-part, ready-to-use material that can be applied easily to a dry, frost-free surface, and cures at normal temperature and humidity in 1 to 4 hours by reacting with moisture in the air. For applications with lower than normal temperature and humidity levels, expect the cure time to be longer.

### Storage and Shelf Life:

Duracool D200 has a recommended shelf life of 12 months from date of manufacture when stored in unopened containers and between 40°F (4°C) and 80°F (27°C). Refer to product packaging.

### Application:

Surfaces to be coated with Duracool D200 must be properly prepared. All surfaces must be clean, dry and free of loose particles. The coating can be applied with standard airless spray equipment or applied by medium nap roller. For small touch-up work, a brush may be used.

### Spray Equipment:

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons (11.4 liters) per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" (19mm) and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .030 and a 50° fan tip.

### Packaging Sizes:

Duracool D200 Silicone Roof Coating is available in 55 gallon (208.2 liters) and 5 gallon (18.9 liters) containers.

### Properties:

As Supplied:	
Solids Content,	
Percent by volume ASTM D-2369	99
Specific Gravity, at 25°C (77°F)	1.26
Tack-Free Time	1-2 hrs.
Cure Time	1-4 hrs.
Volatile Organic Compounds	<50 grams/liter
Flash Point	141°F

### Maintenance:

The life of the roof may be extended by regularly scheduled maintenance. A roof should typically be inspected at least twice a year. The roof immediately needs to be inspected following severe weather and extraordinary maintenance on roof-mounted equipment.

### Clean Up:

Uncured silicone coating can be cleaned or equipment can be flushed with VM&P Naptha or Mineral Spirits.

### Precautions

DO NOT STORE AT TEMPERATURES BELOW 50°F (10°C) OR ABOVE 120°F (49°C). DO NOT ALLOW TO FREEZE. DO NOT APPLY WHEN HEAVY DEW OR RAIN IS EXPECTED WITHIN 24 HOURS. DO NOT THIN. When transporting this product, be sure the lid is tight and the pail is secured. Do not allow pail to tumble as this may loosen the lid and cause leakage or spillage.

Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.

### CAUTION

KEEP OUT OF REACH OF CHILDREN. Close container after each use. HARMFUL OR FATAL IF SWALLOWED. EYE, SKIN, AND RESPIRATORY IRRITANT. USE WITH ADEQUATE VENTILATION. If swallowed do not induce vomiting. Call physician immediately. In case of eye contact- flush with large amounts of room temperature water for 15 minutes, skin contact- wash thoroughly with soap and water. Irregular or stopped breathing administer oxygen, give artificial respiration. Get immediate medical attention. Avoid prolonged breathing of vapor or spray mist.

CALIF PROP 65- CHEMICAL WARNING (CALIFORNIA HEALTH AND SAFETY CODE #25249.5 ET SEQ) WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or reproductive harm. Use proper protection and adequate ventilation when using product.

For further information and advice regarding transportation, handling, storage, and disposal of chemical products, users should refer to the actual Material Safety Data Sheet containing physical, ecological, toxicological, and other safety related data. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

### WARRANTY AND DISCLAIMER

Duracool Coatings Inc warrants to the original purchaser that this product is free from any manufacturing defects that will materially affect the products performance for a period of one year. In the event there is a failure associated with a manufacturing defect of this product, Duracool Coatings Inc shall, at its own discretion, provide the appropriate replacement product(s) or pay for the cost of the defective product only. There is no warranty for labor or installation costs of any kind. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. DURACOOOL COATINGS INC SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. Contact Duracool Coatings Inc prior to ordering for the most recent and up to date data sheet. For additional limited warranty and disclaimer information contact the Duracool Coatings Inc corporate office at (770) 740-0460.