



DYC6480

DYTON SILICONE 6480 Data Sheet

CHARACTERISTICS

DYCO® 100% Silicone Roof Coating is formulated to deliver superior waterproofing protection to your roof surface. This rubberized coating, forms a chemical bond to the roof surface which provides incredible adhesion and long term waterproofing protection. This product will also withstand areas that pond water, and will hold up in areas where other coatings will fail. The coating dries to a bright white finish, which keeps roof surfaces cooler and has excellent UV resistance. Finally, this high solids formula is quick setting, low odor and can be applied in a wide range of temperatures.

RECOMMENDED USES

- Flat Roofs
- Commercial Roofs
- Metal Roofs (aged galvanized)
- Tile or Cement Roofs (flat / barrel)
- Built-up Roofs
- Previously Coated Roofs
- Polyester Plastic Panel
- Polystyrene Foam
- Urethane Foam
- Mobile Home Roofs
- R.V. Roofs, Bonded Gravel Roofs
- Aged Roofs (previously coated with asphalt, aluminum or tar)

FOR ADDITIONAL INFORMATION

See SDS or call toll-free 1-800-282-7901.

TECHNICAL DATA

Vehicle Type Silicone
 Finish/Sheen High Gloss
 Solids by Weight 99%
 Solids by Volume 98%
 Viscosity 6,000 - 7,000 CPS
 VOC (less exempt solvents) < 10 g/L.
 Weight per Gallon 11.1 lbs/gal.

COVERAGE

50-100 S.F./Gal. will yield ≈ 16-32 mils DFT
(Actual coverage may vary depending on type of substrate, and application method.)

KEY ATTRIBUTES

Application Temperatures: 50 - 110 °F (10 - 43.33 °C)
 Application Tools: Brush, Roller, or Spray
 Dry Times: Recoat - 6 Hours; Foot Traffic 24 Hours
 (Dry Time Based on 77 °F (25 °C), 50% Relative Humidity)
 Thinner: Do not reduce this product.
 Clean Up: Mineral Spirits
 Cured Material: Remove Mechanically

PHYSICAL PROPERTIES

Perm Rating 3 Perms
 Elongation w/o mesh 300%
 Tensile Strength 200 PSI
 Mildew Resistance Excellent
 Alkali Resistance Good on surfaces to pH 13





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6480 Precautions & Application Guide

PREPARATION: All surfaces should be clean. Treat rust with proper primer. If mildew is present, surfaces should be cleaned with a proper bleach solution (one part bleach to 2 parts water). To qualify for warranty, it is necessary to power wash (using a wide spray tip) all surfaces before applying this roof coating. A peel test sample should be done on all roofs to verify proper long term adhesion. Applications to TPO, EPDM and Hypalon require a special process, call for more info. Perform Peel Adhesion Test (ASTM D903-98) before applying to any single ply roofing surface.

APPLICATION: Mix thoroughly before use. DO NOT apply if heavy dew or rain is expected within 4 hours. Surface and air temperatures must be between 40 °F and 99 °F. Apply on a clear, dry day with a max humidity level of 70%. Use a quality 3/4" nap paint roller. Make sure the morning dew has completely dried on the roof before applying. Applying product over a wet or damp surface will impact adhesion, and can cause system failure. MAKE SURE SURFACE IS DRY. Step 1. Clean & dry surface. Step 2. Repair cracks and damaged areas. Step 3. Coat surface.

COATING APPLICATION OPTIONS: The recommended application is for 2 coats, applying each coat at 1 gallon per 100 sq/ft. If one coat application is desired, apply 1 coat at 50 sq/ft per gallon.

COVERAGE: 5 gallons will cover approximately 250 sq/ft of roof.

NOTE: Do not apply to roofs over 110 °F.

CLEAN-UP: Clean tools immediately with mineral spirits.

PRECAUTIONS: For exterior use only. Protect building inlets from product vapors or fumes. DO NOT allow product to freeze. Protective clothing, gloves and eyewear should be used during application of these products. When transporting this product, ensure that lid is tight and pail secure and upright. DO NOT allow pail to tumble as this may cause lid to loosen and leakage to occur. Do not transport on passenger seats or inside the passenger compartment of any vehicle. Store product in the cargo area of vehicle, and secure over protective cloths to prevent damage due to accidental spills. For longest life, store in controlled environment, 45 °F-80 °F. DO NOT store in direct sunlight. DO NOT store at temperatures above 99 °F. Once container is opened use all contents within three (3) hours. DO NOT reuse empty containers. Ponding water creates excessive weight on roofs and may compromise structural integrity leading to a potential collapse hazard. Always follow the National Roofing Contractors Association guidelines to remove ponding water from roof surfaces. Slip Warning: Use extreme caution when walking or working on silicone coated surfaces. Surface is extremely slippery and can

create a fall hazard resulting in injury or death. Use OSHA approved fall protection when on roof surfaces.

CAUTION! HARMFUL OR FATAL IF SWALLOWED. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.

FIRST AID: May cause eye, skin and respiratory irritation. Avoid prolonged breathing of vapor or spray mist. In Case Of: **INGESTION:** Contact a physician immediately. **SKIN CONTACT:** Wash thoroughly with soap and water. **EYE CONTACT:** Flush thoroughly with clean, room temperature water and contact a physician immediately.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CALIF • PROP • 65 • WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Use proper protection and adequate ventilation, when using product. **COMPLIANCE:** Miami-Dade County Product Control Approved and NSF.

VOC: less than 10 g/L (less water & exempt)
Crystalline Silica CAS# 1408-60-7

WARRANTY AND DISCLAIMER: DYCO® Silicone Premium Silicone Waterproofing Coating is guaranteed to form a protective coating to your roof, for a period of fifty (50) years from the date of purchase. This limited warranty is only applicable when this product is applied to a sound roof according to the directions, and a peel test sample has been successfully done. If the coating does not perform as stated during the guarantee period, we will provide, with sales receipt, the original purchaser with replacement coating to repair the affected part of the roof. Failures due to acts of God, fire, structural defects or causes beyond our control are excluded from this guarantee. Gardner-Gibson, Inc is not responsible for any labor, property or other consequential damages or costs incurred in the original or any replacement application. Except as stated above, we make no warranties or guarantees, expressed or implied, and none should be inferred.

Safety Data Sheet available upon request.



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C-16
R-2