RoofSeal Silicone Mastic Sealant

High Solids Silicone Liquid Flashing

TECHNICAL DATA SHEET

RoofSeal Silicone Mastic Sealant is an enhanced high solids silicone formula that can be used in conjunction with a variety of liquid coatings and a variety of roof membranes. It is designed to create a watertight liquid flashing for intricate roofing areas and details. With its low VOC's, the single-component, moisture-cure liquid flashing is environmentally friendly. This high performing high solids silicone is durable, reflective and UV resistant and has excellent vertical hang and performs well under ponding water.

FEATURES AND BENEFITS

RoofSeal Silicone Mastic Sealant can be used over a variety of roofing substrates including modified bitumen, built-up roofing, metal, spray polyurethane foam, wood, concrete and a variety of single-ply systems. Its fast curing time helps the applicator save time. RoofSeal Silicone Mastic Sealant can be used as part of a complete cool roof restoration system for the Davlin Silicone System. Also used for repairs of existing systems, roof repairs such as flashings, penetrations and seams.

TYPICAL USES

- Spot repairs
- Reinforce seams, flashings and penetrations
- Seal joint and penetration repairs for solar systems and air conditioning systems

COLOR

White and Aluminum

PACKAGING

3 ½-Gallons Pail
2 Gallons Pail

STORAGE AND SHELF LIFE

RoofSeal Silicone Mastic Sealant has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 32-100°F (0-38°C). Keep containers closed and store in a dry, cool place elevated and away from direct sunlight, heat, sparks, open flame, and moisture.

COVERAGE

The first coat of RoofSeal Silicone Mastic Sealant should be applied at the rate of 1.5 gallon/100 square feet. The dry film thickness, exclusive of aggregate is 24 ± 2 mils per coat at rate of 1.5 gallon/100 sqft. For metal roofs, fasteners coverage count per 3.5 gal pail is 1400 square feet. For seams, 3.5 gal pail @ 24 wft, 6" on center will cover 295 linear feet.

TECHNICAL DATA (Based on Draw Down Film)

Physical Property	Test Method	Value
Hardness Shore A	ASTM D2240	45 - 55
Tensile Strength Die C (psi)	ASTM D412	300
Tear Strength (pli)	ASTM D6624	45
Elongation (%)	ASTM D412	200
Specific Gravity		1.31
Total Solids by Weight (%)	ASTM D2697	96 ± 2
Total Solids by Volume (%)	ASTM D2697	96 ± 2
Viscosity @ 75°F (24°C) (cps)	ASTM D2369-81	50,000
Volatile Organic Compound (VOC gms/liter)	ASTM D-2369-81	39.5
Recoat Window		24 hrs.

The information contained herein is for purposes of identifying the product and does not constitute a warranty that the product will conform to that description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors.

APPLICATION

Prior to coating any surface with RoofSeal Silicone Mastic Sealant be sure the coating will adhere by performing an adhesion test (ASTM D903). Review all technical data sheets, system sheets, labels, instructions, SDS, and Guide Specifications before applying. Cure time will vary based on temperature and atmospheric conditions.

RoofSeal Silicone Mastic Sealant is applied by brush or trowel at thicknesses up to 0.25". RoofSeal Silicone Mastic Sealant should be applied directly from the container without thinning. Do not apply when temperatures are below 40°F (4.4°C) or when precipitation is in the forecast within 8 hours.

To avoid pin holes and blistering, RoofSeal Silicone Mastic Sealant should not be applied at a rate thicker than 24 wet mils in one application.

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Since 1968

HEALTH AND SAFETY

DAVLIN is committed to the health and safety of our customers. DAVLIN products shall only be installed by certified contractors. Applicators are required to follow all proper handling, safety and installation procedures. Safety Data Sheets (SDS) are available on this material. Any individual who may come in contact with these products should read and understand the SDS. Avoid breathing of vapor.

SKIN CONTACT

To prevent excessive skin contact, we recommend use of neoprene or other resistant gloves. Skin contact with liquid components can result in a rash or other irritation. Wash the affected skin area with water. Wipe residual liquid from the skin with a clean cloth, then wipe the affected area with 30% solution of rubbing alcohol. Follow the alcohol wipe with repeated washings with soap and water. If a rash or other irritation develops, see a physician.

EYE CONTACT

Wear a full-face mask or OSHA-approved protective goggles. Eye Contact with liquid or sprayed components can result in corneal burns or abrasions. Upon exposure, eyes should be flushed with water for an extensive period. SUMMON EMERGENCY TRAINED MEDICAL ATTENTION IMMEDIATELY.

FLAMMABILITY

Flash point is 142°F (61°C). Avoid open flame or spark sources. Avoid excessive heat. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other ignition sources at locations distant from the material-handling point. Never use a welding or cutting torch on or near the material. In case of fire, use CO_2, steam, dry chemicals or water fog.

TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Roof energy evaluations, life cycle cost analysis, and other roof management services are also available from a DAVLIN Technical Consultant.