

ROOF DOPE® METAL CUT SPEC

TIGHT SEAL-S
SILICONE ROOF COATING

TIGHT SEAL-S SOLVENT-BASED (70% SOLIDS) SILICONE

TIGHT SEAL-S®

PREMIUM SILICONE ROOF COATINGS

OVER METAL

APPLICATION PROCESS

1. **PRESSURE WASH, CHECK FOR PROBLEM AREAS, REPAIR WITH LIKE MATERIALS, PREPARE THE ROOF TO RECEIVE THE COATING SYSTEM**



2. **WATERPROOF SEAMS, PENETRATIONS, TRANSITIONS, DRAINS, CURBS, AND DETAIL AREAS WITH ROOF DOPE® FLASHING GRADE MATERIAL**



ROOF DOPE®

APPLIED TO THE SEAMS, PENETRATIONS, ETC...
* NO FABRIC REINFORCEMENT REQUIRED
(MUST HAVE GOOD SEAM INTEGRITY)



3. **APPLY ROOF DOPE TIGHT SEAL-S SILICONE COATING IN ONE PASS @ 2 GALLONS PER SQ.**



4. **ALLOW FULL CURE (* 4-8 HOURS), INSPECT FOR HOLIDAYS, FISHMOUTHS, ETC... RE-APPLY TIGHT SEAL-S WHERE NEEDED.**

* CURING TIMES MAY VARY PRIMARILY DEPENDING UPON TEMPERATURE AND HUMIDITY

DESCRIPTION

THE ROOF DOPE® TIGHT SEAL-S Premium Metal Roof Coating is a 70% Solids - Solvent based silicone, fluid applied roofing system.

Designed by THE ROOF GURU'S to perform and last, THE ROOF DOPE® - TIGHT SEAL-S (SOLVENT BASED) SILICONE ROOF SYSTEM provides water-tight leak protection and results in a fully monolithic, fully-adhered membrane for use over most (must be serviceable) metal roofing systems.

BASIC USES

THE ROOF DOPE® TIGHT-SEAL SOLVENT BASED SILICONE metal roof restoration system is specifically formulated to seal, waterproof, and preserve metal roof-systems from the harmful effects of the sun, wind, and rain. The system's two main components: TIGHT SEAL-S and ROOF DOPE® (used in tandem) provide superior bond and excellent "bend and- stretch" strength at the seams and penetrations - where you need it the most! The silicone restoration is made a permanent, fully-adhered part of the roof system, therefore it will not degrade, chalk or crack under harsh UV rays. Furthermore, the application of this roof system creates a smooth surface that offers excellent resistance to severe ponding, mold, mildew and staining.

BENEFITS

- ✓ Watertight seal stops leaks restores the roof system
- ✓ 100% tax deductible the year of installation
- ✓ Greatly expands life expectancy of asphaltic mod-bit roofs
- ✓ Cool roof technology lowers interior cooling costs
- ✓ Sustainable 10, 15 and 20 year warranty options
- ✓ No business interruption / NO TEAR OFF!

SYSTEM STEPS

1. Pressure wash (may require the use of TSP, or other industrial strength-detergent to assist in cleaning the substrate properly)
 2. Look for and address problem areas - (make repairs with like materials) USE THE 20% RULE!
 3. Full seam prep treatment, to include all penetrations, curbs, corners, perimeter edge, drains, transitions, etc...
 4. Waterproof all seams, penetrations, curb corners, perimeter edge, drains, transitions, etc... with ROOF DOPE® flashing grade material
 5. Waterproof all base flashings (wall seams), roof to wall details Apply a single coat application (in one pass) of TIGHT SEAL-S direct to the metal substrate (ROOF & WALLS).
 7. Allow sufficient time to cure, Inspect for holidays, fishmouths, etc. -Re-apply / touch-up where necessary
- A. * DESIGN MODIFICATIONS MUST BE CONSIDERED AND ADDRESSED, PRIOR TO PERFORMANCE EXECUTION, AND MAY REQUIRE THE EMPLOY OF A LICENSED BUILDING ENGINEER..



www.theroofgurus.com
www.roofdope.com

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ADHESION TEST

To insure successful application of the ROOF DOPE TIGHT-SEAL-S SILICONE roofing system, always perform an adhesion test with #TS-1 Silicone to ensure that the roof substrate will accept the coating.

PRE-INSPECTION

Pre-inspect roof for necessary repairs before application of the coating system. Inspection should include but not limited to the following:

- ☒ HVAC Flashings
- ☒ Proper Drainage
- ☒ Parapet Wall Condition
- ☒ Sign or Display Anchorage
- ☒ Drains & Location of Drains
- ☒ Water Leakage
- ☒ Seams, Termination Points, Reglets
- ☒ Roof Penetrations
- ☒ Coping & Flashings
- ☒ Sleepers & Pitch Pockets / Pans

PRODUCT TECHNICAL DATA

ROOF DOPE® TROWEL-GRADE MASTIC

Color: White or Gray

Chemistry: High Performance Poly-Ether Moisture Cure

Lap Shear: 275 psi

Elongation: 500% ± 50%

Solids: 100% ± 2%

Cold Weather Application: WILL NOT FREEZE

Joint Movement: +25% EXCELLENT

ROOF DOPE® TIGHT SEAL-S (70% SOLIDS) SOLVENT BASED SILICONE

Color: White, Gray, and Tan (Standard) - custom colors available

Viscosity: 9,000 cps

Tensile Strength: 486 psi at 73°F ± 20 psi

Elongation (Initial): 267% at 73°F ± 20%

Solids: Volume: 69% ± 2%

Reflectivity: (White) 84%

Clean Up: Virgin Mineral Spirits

COVERAGE RATES

12 YEAR WARRANTY 20 DRY MIL SYSTEM	SINGLE COAT APPLICATION	TOUCH-UP
ROOF DOPE PRODUCT	TIGHT SEAL-S SILICONE	TIGHT SEAL-S
COVERAGE RATE	2 GAL/100 SQ. FT.	AS NEEDED
20 YEAR WARRANTY 28 DRY MIL SYSTEM	PRIMARY COAT APPLICATION	SECONDARY COAT APPLICATION
ROOF DOPE PRODUCT	TIGHT SEAL SILICONE-S	TIGHT-SEAL-S
COVERAGE RATE	2 GAL/100 SQ. FT.	.75 GAL/100 SQ. FT.

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INSTALLATION TIPS

- ▶ All surfaces to be coated must be cleaned properly.
- ▶ Pressure washing at 3000-4000 psi recommended.
- ▶ Any existing coating must be checked for adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.
- ▶ TIGHT-SEAL silicone(s) may be applied by conventional airless spray equipment (with moisture resistant hoses & a 5:1 Transfer pump). Contact your ROOF GURU'S Rep for additional spray equipment recommendations and/or options.
- ▶ Apply TIGHT-SEAL-S moisture cured silicone only to clean, dry, sound, and primed surfaces.
- ▶ Applied coating will cure in 2 to 4 hours, depending on temperature and humidity.

RUSTY PANELS

- ▶ Rust, also known as Iron Oxide, is formed by chemical reaction in which iron oxidizes when in the presence of oxygen and water or excessive moisture. Iron Oxide lacks many of the structural characteristics of the original iron material and will continue to spread deeper into the material. If left alone, rust will almost always result in total failure of the panel. TIGHT-SEAL RUST CONDITIONER is designed to neutralize existing rust as well as prevent it from advancing its damage.

SKYLIGHTS

- ▶ Skylights, if still within their serviceable life, can be renewed and restored with TIGHT SEAL clear skylight coating.

EQUIPMENT

- ▶ Spray applied - See THE ROOF DOPE Spray Application Guide on High Performance Silicone Coatings.

STORAGE & HANDLING

- ▶ Keep containers closed, store in a cool, dry place away from heat, sparks, open flame, and moisture.

THIS CUT SPEC IS MEANT ONLY AS AN OVERVIEW OF RECOMMENDED INSTALLATION PROCEDURES. IT IS NOT MEANT TO REPLACE THE DETAILED APPLICATION GUIDELINE. BE SURE TO REVIEW THE COMPLETE APPLICATION GUIDELINE PRIOR TO BEGINNING ANY PROJECT. PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT YOUR LOCAL ROOF GURU'S REPRESENTATIVE OR VISIT OUR WEBSITE FOR CURRENT TECHNICAL DATA AND APPLICATION GUIDELINES.

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