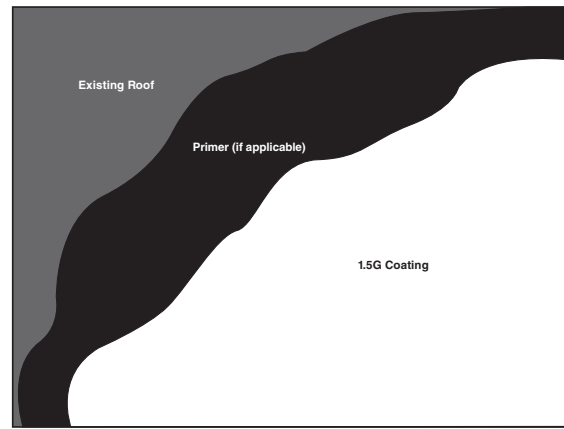


# SIL-S-0-1.5

This document is intended to be used in conjunction with SMARTCOAT™ 3-part specifications for comprehensive project and application instructions.



## SUBSTRATE:

Existing roof: Single-Ply

## LIMITED WARRANTY DURATION

10 years. See SMARTCOAT Warranty Overview for warranty protocol and guidelines.

### SUMMARY OF MEMBRANE MATERIALS

Component	Gallons/100 sq. ft. or Ply	Dry Mills
100 Roof Wash	Roof condition dependent for materials other than EPDM; for EPDM apply twice at 1:10-1:30 #100 to water ratio, rinsing thoroughly after each application to eliminate any potential for residue	100 Roof Wash must be completely rinsed and roof surface dry
210 Universal Primer	Only as needed - 1	6
450 HS Silicone Coating	1.5	23
<b>Total System Wet/Dry Mills and Weight per 100 Square Feet (Approximate)</b>		
Wet Mills	Dry Mills	Weight (lbs.)
24 (40 with primer)	22.8 (29 with primer)	16

## SUMMARY OF FLASHING MATERIALS:

Components may include:

- 450 Silicone Coating
  - 350/365 Silicone Mastic
  - 370 UltraSeal
  - SMARTFAB 500 Polyester Reinforcement
- See SMARTCOAT Construction Details or SMARTCOAT Applicator's Guide for detail-specific instruction.

## SUMMARY OF APPLICATION:

It is best practice to conduct an adhesion test before SMARTCOAT roof restorations and is required for SMARTCOAT NDL Limited Warranties or Asphaltic Membrane NDL Limited Warranty SMARTCOAT Extensions.

1. Clean roof surface thoroughly, via pressure wash. Use SMARTCOAT Roof Wash as needed to ensure roof surface is clean and dry;
2. Once dry, if adhesion test indicates primer is required, prime surface with SMARTCOAT 210 Universal Primer at a rate of 1 gallon per 100 sq. ft. (16 wet mils);

3. Once SMARTCOAT 210 is dry/cured, seal all deficiencies in the existing roof with appropriate flashing materials (see Summary of Flashing Materials);
4. Once dry apply one coat of SMARTCOAT 450 SILICONE COATING at the rate of 1.5 gallons per 100 sq. ft. (24 wet mils); if granulating the roof surface, apply SMARTCOAT 450 in two passes, utilizing contrasting colors for the first and second pass, such that each pass is applied at 0.75 gallon per 100 sq. ft.; immediately broadcast #11 ceramic granules to completely saturate the surface to refusal or rejection on top of the second pass.

NOTE: On roofs with greater than 3:12 slope or on vertical surfaces, it is not recommended to apply more than 1G per 100 sq. ft. in a single coat to avoid material sagging.

NOTE: SMARTCOAT 450 High Solids Silicone is slippery when wet. Use of SMARTCOAT 650 Silicone Traffic Coat with granules or granulation of the coated surface, as described in Step 4, to define walkways and/or create a non-slip surface is required where fall hazards exist, such as, but not limited to, open roof edges, roof hatches or leading to and around rooftop equipment.