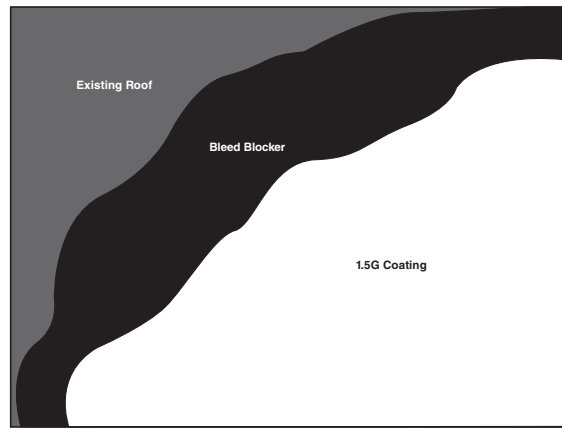


# SIL-A-0-1.5

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



## SUBSTRATE:

Existing roof: Modified bitumen (APP or SBS), smooth or granule surface, built-up-roof (BUR)

## 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 Mils
100 Roof Wash	Roof condition dependent	100 Roof Wash must be completely rinsed and roof surface dry
200 Bleed Blocker	1.5	9
450 HS Silicone Coating	1.5	23

### Total System Wet/Dry Mils and Weight per 100 Square Feet (Approximate)

Wet Mils	Dry Mils	Weight (lbs.)
24 (40 with Bleed Blocker)	22.8 (including Bleed Blocker)	26

## 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:

Newly applied asphaltic roof systems shall age a minimum of 30 days prior to cleaning or coating.

1. Clean roof surface thoroughly, including any APP-modified membranes utilized for large area repairs, via pressure wash. Use SMARTCOAT Roof Wash as needed to ensure roof surface is clean and dry;
2. Once dry, apply SMARTCOAT 200 Asphalt Bleed Blocker on bituminous surfaces to prevent staining at a rate of 1.5 gallons (24 wet mils) per 100 sq. ft. depending on surface porosity;

3. Once SMARTCOAT 200 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.