SMOOTH MODBIT/BUR QUICK SPEC

Envir-O-Sil

LOW-VOC ROOF COATING SYSTEM

over smooth modbit/built-up roof

DESCRIPTION

The American WeatherStar Envir-O-Sil environmentally friendly roofing system is a silicone based fluid-applied roofing system designed by AWS to restore and protect smooth modified bitumen roofs. AWS developed this bright white, environmentally aware system based on the premium performance of AWS High Solids Silicone 412.

BASIC USES

American WeatherStar's Envir-O-Sil is a proven, fluid applied roofing system designed to restore and protect single-ply commercial roofs from water intrusion and the sun's harmful UV rays. It is especially effective as a protective membrane to coat the entire roof, make repairs, and provide additional protection for curbs and flashings.

BENEFITS

» Handles ponding water

» Requires standard equipment

» Extreme adhesion, durablility & UV stability

» High solids option available

» Sustainable 10 year warranty options

» No business interuption

SYSTEM STEPS

» Pressure wash

» Look for and address problem areas

» Waterproof splits, transitions, penetrations, and areas of concern using a slurry of AWS Microfibers 1000 and AWS High Solids Silicone 412

» Apply Base Layer of AWS High Solids Silicone 412

» Apply Top Layer of AWS High Solids Silicone 412

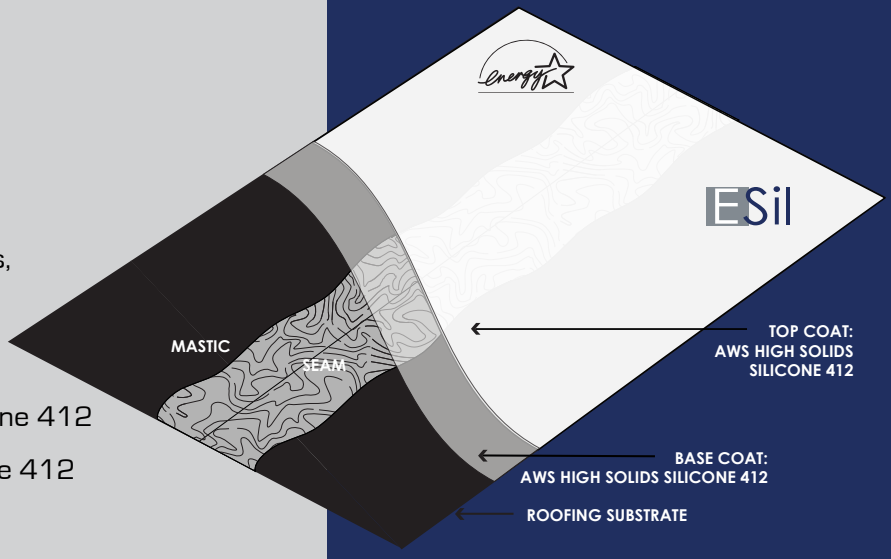
APPLICATION PROCESS

PRESSURE WASH, CHECK FOR PROBLEM AREAS & APPLY AWS PRIMER (IF NEEDED)

WATERPROOF SEAMS, FASTENERS, PENETRATIONS & TRANSITIONS W/AWS FLASHING GRADE MATERIAL

APPLY AWS HIGH SOLIDS SILICONE 412 BASE COAT

APPLY AWS HIGH SOLIDS SILICONE 412 TOP COAT



MIAMI-DADE COUNTY · FM APPROVED · Energy · UL

American WEATHERSTAR™

fluid-applied metal roof restoration

americanweatherstar.com 800.771.6643

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ADHESION TEST

To ensure successful application of the AWS Envir-O-Sil roofing system, always perform an adhesion test with AWS High Solids Silicone 412 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 Flashing
» Proper drainage
» Parapet Wall Condition
» Sign or Display Anchorage
» Water Leakage
» Seam, Terminators, Reglets
» Roof Penetrations
» Coping and Flashing
» Sleepers & Pitch Pockets
» Wet or Damp Insulation

TECHNICAL DATA

AWS HIGH SOLIDS SILICONE 412
Color: White - Gray - Tan
VOC: < 50 Grams/Liter
Tensile Strength: 331 psi at 73°F
Elongation: >192% at 73°F
Solids: Volume: 96% ± 2%
Reflectivity (White): Initial .87
Clean Up: Virgin Mineral Spirits

COVERAGE RATES

10 YEAR	BASE COAT	TOP COAT
AWS Product	High Solids Silicone 412	High Solids Silicone 412
Coverage Rate	1.0 Gal/100 sq ft	1.0 Gal/100 sq ft

INSTALLATION TIPS

» All surfaces to be coated must be cleaned properly.

» Pressure washing at 3000 - 4000 psi is recommended.

» Any existing coating must be checked for good adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned and checked for compatibility.

» AWS High Solids Silicone 412 may be applied by medium nap rollers, soft brushes, SuperSpreader, or conventional airless spray equipment.

» AWS High Solids Silicone 412 only to clean, dry, sound surfaces free of loose particles or other foreign matter.

» Applied base coat will cure in 2 - 8 hours depending on temperature and humidity.

» Applied top coat will cure in 2 - 8 hours depending on temperature and humidity.

EQUIPMENT

Spray Applied - See AWS Spray Application Guides on AWS High Solids Silicone 412, AWS High Tensile Urethane 500 Base Coat, and other system products required.

SuperSpreader - Follow manufacturer's recommendations.

Brush - Good quality synthetic bristle brush.

Roller - 1/4 - 3/8 nap

STORAGE & HANDLING

Keep containers closed, store in a dry, cool place away from heat, sparks, open flame, and moisture. Keep material stored above 65°F (18°C) and on wood pallets and/or off concrete floor.

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