

GRANULATED MODBIT QUICK SPEC

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 granulated modified bitumen roofs. AWS developed this bright white, environmentally aware system based on the premium performance of AWS High Solids Silicone 412.

BASIC USES

Many building owners are not aware that roof restoration is an intelligent alternative to roof replacement. Most roofs can be restored for a fraction of the cost of a new roof and can be sustained indefinitely. Silicone roof coating systems are being used by companies of all sizes to waterproof and cool their buildings and improve their bottom lines. All of these features and it is VOC compliant in all 50 states.

BENEFITS

- » Handles ponding water
- » Requires standard equipment
- » Extreme adhesion, durability & UV stability
- » High solids option available
- » Sustainable 10 year warranty options
- » No business interruption

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



Envir-O-Sil

LOW-VOC ROOF COATING SYSTEM

over granulated modbit roof

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



americanweatherstar.com

800.771.6643

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.



fluid-applied metal roof restoration

THIS QUICK SPEC IS MEANT ONLY AS AN OVERVIEW OF 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.

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