

CONCRETE ROOF DECK QUICK SPEC

DESCRIPTION

The Ure-A-Sil premium flat roof restoration system from American WeatherStar is designed to restore and protect just about any commercial roofing substrate on the market today. AWS designed the system based on the strengths of the Ure-A-Sil System components: AWS Aromatic Urethane 520 and AWS Silicone 410. The base layer and durability of the Ure-A-Sil System begins with the AWS Aromatic Urethane 520. Nothing compares to urethane technology for its adhesion qualities. Not only does the urethane adhere well to just about any clean substrate, it offers superior durability to other coatings on the market. Top layering the system with AWS Silicone 410, or an optional high solids AWS High Solids Silicone 412, offers the best UV stability and ponding water resistance available.

BASIC USES

The AWS Ure-A-Sil roofing maintenance system is a tough, durable application designed to protect a wide range of roof top environments from weathering and moisture intrusion. It is especially effective as a protective membrane to coat the entire roof, to use for spot repair, and to provide additional protection for flashing.

BENEFITS

- » Handles ponding water
- » Requires standard equipment
- » Extreme adhesion, durability & UV stability
- » High solids option available
- » Sustainable 12 & 15 year warranty options
- » No business interruption

SYSTEM STEPS

- » Pressure wash
- » Look for and address problem areas
- » Prime the roof with AWS SBS Primer 950
- » Waterproof splits, transitions, penetration and problem areas with AWS Urethane Brush-Grade 522
- » Apply base layer and intermediate layer of AWS Urethane 520
- » Apply Top Layer of AWS Silicone 410



Ure-A-Sil

PROVEN ROOF COATING SYSTEM

over concrete roof deck

APPLICATION PROCESS

PRESSURE WASH,
CHECK FOR PROBLEM
AREAS



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



APPLY AWS
URETHANE 520
BASE COAT AND
INTERMEDIATE COAT



APPLY AWS
SILICONE 410
TOP COAT



ADHESION TEST

To ensure successful application of the AWS Ure-A-Sil roofing system, always perform an adhesion test with AWS Urethane 520 Base Coat 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
- » Drains & Location of Drains
- » Water Leakage
- » Seam, Terminators, Reglets
- » Roof Penetrations
- » Coping and Flashing
- » Sleepers & Pitch Pockets
- » Wet or Damp Insulation

TECHNICAL DATA

AWS AROMATIC URETHANE 520

Color: Silver
 Viscosity: 2,000 cps
 Tensile Strength: 975± 25 psi
 Elongation: 350% ± 50%
 Solids: 70% ± 2%
 Permeability: .02 Perms
 Clean Up: Xylene

AWS SBS PRIMER 950

Color: Black or Gray
 Viscosity: 100-150 cps
 Clean Up: Xylene

AWS SILICONE 410

Color: White, Gray, and Tan Standard
 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%
 Emissivity (White): .85
 Clean Up: Virgin Mineral Spirits

COVERAGE RATES

12 YEAR WARRANTY	PRIMER	BASE & INTERMEDIATE COAT	TOP COAT
AWS Product	SBS Primer 950	Urethane 520	Silicone 410
Coverage Rate	1.0 Gal/100 sq ft	1.25 Gal/100 sq ft	1.25 Gal/100 sq ft

15 YEAR WARRANTY	PRIMER	BASE & INTERMEDIATE COAT	TOP COAT
AWS Product	SBS Primer 950	Urethane 520	Silicone 410
Coverage Rate	1.0 Gal/100 sq ft	1.5 Gal/100 sq ft	1.5 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 Aromatic Urethane 520 and AWS Silicone 410 may be applied by medium nap rollers, soft brushes, SuperSpreader, or conventional airless spray equipment. Contact your AWS Rep for details on applying the optional high solids AWS High Solids Silicone 412.
- » Apply AWS Urethane 520 only to clean, dry, sound surfaces free of loose particles or other foreign matter.
- » Applied base coat will cure in 6-12 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 Aromatic Urethane 520, AWS Silicone 410, and other system products required.

SuperSpreader - Follow manufacturer's recommendations.

Brush - Good quality synthetic bristle brush.

Roller - Long nap roller.

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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