# QUICK SPEC

# Ure-A-Sil®

ROOF RESTORATION SYSTEM eco

## The Low VOC Flat Roof Restoration Solution

The Ure-A-Sil Eco Roof Restoration System is the ultimate low VOC solution to restore and protect conventional commercial/industrial surfaces, including—but not limited to—EPDM, single-ply membranes, concrete, modified bitumen, and polyurethane foam. Its adhesive properties are exceptional, making it an equally viable choice for safeguarding various roof surfaces.

### Basic Uses

The Ure-A-Sil Eco System utilizes high-quality, low VOC roof coatings, providing industry-leading performance, UV protection, and weatherability, all while having minimal environmental impact. It is especially effective as a protective coating membrane for the entire roof surface, spot repair, and additional protection for flashing.

### Features/Benefits

- Meets SCAQMD VOC requirements
- Superior protection—forms a durable, weather-resistant, rubber-like seal
- Excellent UV protection— prevents premature degradation
- Superior adhesive and cohesive strength
- Reduces daily expansion and contraction (thermal cycling) of roofing substrates
- Excellent reflective properties which help to reduce cooling costs
- Superior elongation and tensile strength
- Superior resistance to dirt pick-up

### Suitable Substrates

- EPDM
- Single-Ply
- Concrete
- Modified Bitumen
- Spray Polyurethane Foam
- Built-Up Roofs

**SURFACE PREPARATION** 1

To ensure maximum adhesion, the roof is pressure washed to remove all dirt, dust, debris, and other foreign contaminants.

**SEAMS/DETAILS** 2

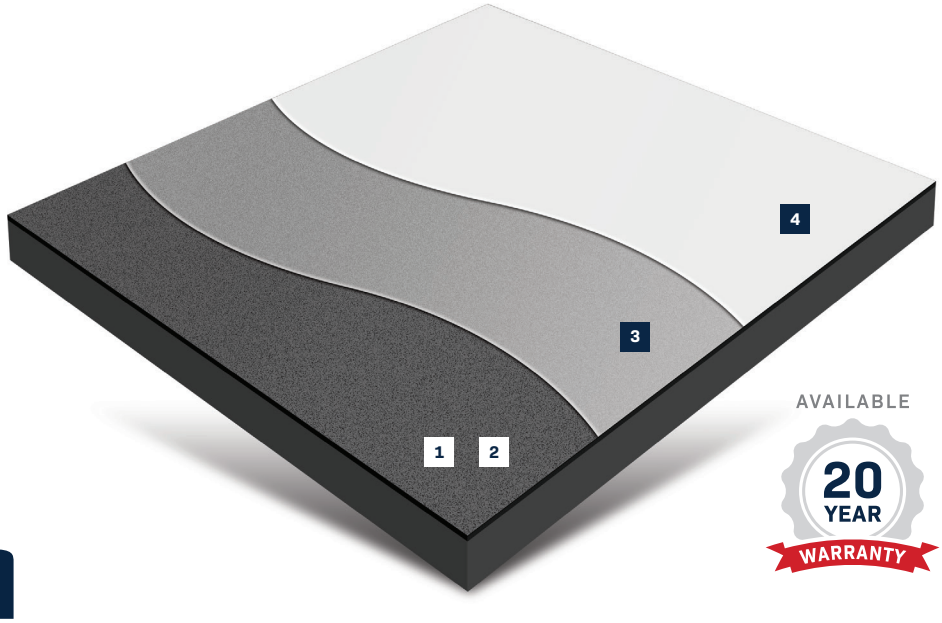
All seams and flashing details are coated with Urethane Brush-Grade 524-CA to help withstand the expansion and contraction of the roof structure.

**BASE COAT** 3

A base coat Aromatic Urethane 512-CA acts as a primer and provides the system with excellent strength, durability, flexibility, and adhesion.

**TOP COAT** 4

A top coat of High-Solids Silicone 412 forms a seamless rubber-like membrane and provides industry-leading UV protection, reflectivity, and resistance to ponding water.




AVAILABLE

20 YEAR WARRANTY

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### ADHESION TEST
To ensure a successful application, an adhesion test is recommended to ensure maximum adhesion of the Aromatic Urethane 512-CA base coat to the existing roof substrate(s).

### PRE-INSPECTION
Before system application, pre-inspect the roof for necessary repairs. The inspection should include, but not be limited to:

- HVAC flashing
- Proper drainage
- Seams, terminations, reglets
- Roof penetrations
- Water leakage
- Sign or display anchorage
- Drains and location of drains
- Parapet roof detail
- Wet or damp insulation
- Coping and flashing

### INSTALLATION TIPS
- All roof surfaces to be coated must be properly cleaned and prepared. Pressure washing at 3000-4000 psi is recommended.
- Existing coatings must be checked for proper adhesion. Before application, any loosely adhered coating must be removed and bare surfaces must be prepared, cleaned, and checked for compatibility. In some cases, the use of a primer may be necessary.
- High-Solids Silicone 412 and Aromatic Urethane 512-CA may be applied using medium nap roller, synthetic brush, tank spreader, or airless spray equipment.
- Apply Aromatic Urethane 512-CA base coat to clean, dry, sound surfaces free of contaminants and other foreign matter.
- Depending on temperature and humidity, allow 12 hours for urethane base coat to cure. Allow 1-4 for silicone top coat to cure. For technical assistance, contact your American WeatherStar Field Representative for more information.

### TECHNICAL DATA

| URETHANE BRUSH-GRADE 524 CA | |
|---|---|
| Solids by Volume | 77% |
| Elongation | 230% |
| Tensile Strength | 2300 psi |

| AROMATIC URETHANE 512 CA | |
|---|---|
| Solids by Volume | 77% |
| Elongation | 375% |
| Tensile Strength | 1000 psi |

| HIGH-SOLIDS SILICONE 412 | |
|---|---|
| Solids by Volume | 96% ± 2 |
| Elongation | 170 ± 25 |
| Tensile Strength | 450 ± 50 |
| Reflectivity | Initial .87 |
| Emissivity | Initial .89 |

Please see product data sheets for complete technical data.

| SUBSTRATE | TERM | BASE COAT | INTERMEDIATE COAT | INTERMEDIATE COAT | TOP COAT | TOTAL DFT* |
|---|---|---|---|---|---|---|
| BUR Modified Bitumen | 12 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 30 |
| | 15 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 35 |
| | 20 years | Urethane 512-CA | High-Solids Silicone 412 | – | High-Solids Silicone 412 | 40 |
| EPDM Single-Ply | 12 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 25 |
| | 15 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 30 |
| | 20 years | Urethane 512-CA | Silicone 412 | – | High-Solids Silicone 412 | 35 |
| Concrete | 12 years | Urethane 512-CA | Urethane 512-CA | – | High-Solids Silicone 412 | 38 |
| | 15 years | Urethane 512-CA | Urethane 512-CA | – | High-Solids Silicone 412 | 45 |
| | 20 years | Urethane 512-CA | Urethane 512-CA | High-Solids Silicone 412 | High-Solids Silicone 412 | 55 |
| Spray Foam | 12 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 25 |
| | 15 years | Urethane 512-CA | – | – | High-Solids Silicone 412 | 30 |
| | 20 years | Urethane 512-CA | High-Solids Silicone 412 | – | High-Solids Silicone 412 | 35 |

*Dry film thickness (DFT) is rounded to the nearest mil and is theoretical. Actual DFT varies depending on substrate, application technique, and waste factor.

**NOTE:** This document is intended as an overview of installation procedures only. Please refer to application guidelines for complete installation information. Published technical information is subject to change without notice. Please visit www.americanweatherstar.com or contact your Field Representative for current technical data.

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