

QUICK SPEC

Ure-A-Max

ROOF RESTORATION SYSTEM **eco**

Low-VOC Hybrid Urethane Roof Restoration System

Ure-A-Max Eco is a premier low-VOC hybrid urethane system designed to restore and protect flat roof membranes, including asphaltic, structural concrete, single-ply (TPO, PVC, EPDM), and spray polyurethane foam. It combines the durability of Aromatic Urethane 512-CA with the UV and moisture resistance of Aliphatic Urethane 510-CA, which offers lower vapor permeability for enhanced performance.

This system provides facility managers and property owners with cost-saving advantages beyond leak prevention. It helps reduce maintenance expenses, lowers energy consumption, enhances overall roof performance, and extends service life—all at a fraction of the cost of a full roof replacement.

Basic Uses

The Ure-A-Max Eco System utilizes high-quality, low VOC coatings to deliver excellent durability, weather resistance, and long-term protection with reduced environmental impact. It is ideal for full roof applications, targeted spot repairs, and reinforcing flashing and other critical roof areas.

Features/Benefits

- Meets SCAQMD VOC requirements
- Stops leaks and vastly improves performance
- Costs significantly less than a total roof replacement
- Substantially reduces maintenance and energy costs
- Extends service life by restoring the existing roof membrane
- Industry-leading UV stability, reflectivity, and durability
- Cures to form a seamless, watertight membrane
- Long-term StarGard Warranty plans available

Suitable Substrates

- Modified bitumen
- Built-up roofing
- TPO
- PVC
- EPDM
- Structural concrete
- Spray polyurethane foam

SURFACE PREPARATION

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

SEAMS/DETAILS

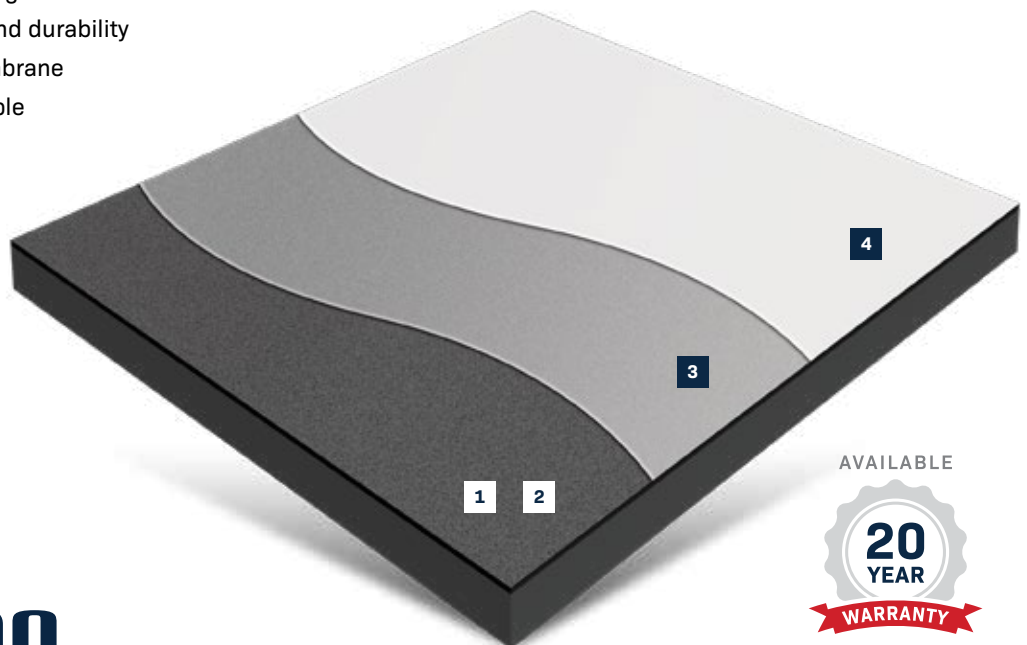
All seams and flashing details are coated with Urethane Brush-Grade 524-CA to withstand expansion and contraction of the roof.

BASE COAT

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

TOP COAT

A top coat of Aliphatic Urethane 510-CA forms a seamless rubber-like membrane and provides superior UV protection and increased resistance to moisture penetration.



AVAILABLE



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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.
- Aliphatic Urethane 510-CA, Aromatic Urethane 512-CA may be applied using medium nap roller, synthetic brush, tank spreader, or airless spray equipment.
- Apply Aliphatic Urethane 510-CA, Aromatic Urethane 512-CA base coat to clean, dry, sound surfaces free of contaminants and other foreign matter.
- Depending on temperature and humidity, allow approximately 24 hours for urethane base coat to cure before applying the Aliphatic Urethane 510-CA. For technical assistance, contact your American WeatherStar Field Representative for more information.

TECHNICAL DATA

AROMATIC URETHANE 512-CA

Solids by Volume	77%
Elongation	375%%
Tensile Strength	1,000 psi
Viscosity	6,000 cps

ALIPHATIC URETHANE 510-CA

Solids by Volume	76.7%
Elongation	230%
Tensile Strength	2,300 psi
Viscosity	100 KU

Please see product data sheets for complete technical data.

SUBSTRATE	TERM	BASE COAT	INTERMEDIATE COAT	INTERMEDIATE COAT	TOP COAT	TOTAL DFT*
BUR, Mod Bit	10 years	Urethane 512-CA	-	-	Urethane 510-CA	30
	15 years	Urethane 512-CA	Urethane 512-CA	-	Urethane 510-CA	40
	20 years	Urethane 512-CA	Urethane 512-CA	-	Urethane 510-CA	45
TPO, PVC, EPDM	10 years	Urethane 512-CA	-	-	Urethane 510-CA	25
	15 years	Urethane 512-CA	-	-	Urethane 510-CA	30
	20 years	Urethane 512-CA	Urethane 512-CA	-	Urethane 510-CA	40
Concrete	10 years	Urethane 512-CA	Urethane 512-CA	-	Urethane 510-CA	38
	15 years	Urethane 512-CA	Urethane 512-CA	-	Urethane 510-CA	45
	20 years	Urethane 512-CA	Urethane 512-CA	Urethane 512-CA	Urethane 510-CA	55
SPF	10 years	Urethane 512-CA			Urethane 510-CA	30
	15 years	Urethane 512-CA	Urethane 512-CA		Urethane 510-CA	40

*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.

