



# ALIPHATIC URETHANE 510-CA

## DESCRIPTION

Aliphatic Urethane 510-CA is a technologically advanced, high-solids, single-component, moisture-cure aliphatic polyurethane coating. Once cured, this liquid-applied, moisture-curing polymer provides a durable, seamless, flexible, and waterproof membrane that resists lateral movement, shear, and will allow for normal expansion and contraction. This product offers increased resistance to moisture penetration through its lower moisture vapor permeability values. Due to its moisture-cure properties, a longer production window can be achieved during application.

## ADVANTAGES

- 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 that help to reduce cooling costs
- Superior elongation, tensile strength, and resistance to dirt pick-up
- Meets (SCAQMD) VOC requirements

## BASIC USES

Aliphatic Urethane 510-CA was specifically developed as a protective top coat for American WeatherStar's Ure-A-Max system. This product can also be applied as a top coat for polyurethane foam. It has excellent adhesion and may be used for protection of conventional roof systems including—but not limited to—EPDM, TPO, PVC single-ply membranes, and asphalt-based systems.

## INSTALLATION

- **Surface Prep:** All surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash and/or prime to enhance adhesion. See application guidelines for more details
- **Application:** This product may be applied directly to any clean, dry surface with medium nap rollers, soft brushes, or conventional airless spray equipment. Successive and/or top coats **MUST** be applied to the base or to intermediate coats within 48 hours to ensure proper adhesion. Do not apply if ambient temperature falls below 40° F. Product application should be suspended immediately and our technical service personnel contacted if the results being obtained are less than desirable.

## TECHNICAL DATA

SOLIDS BY VOLUME:	76.7%, ASTM D5201
ELONGATION:	230%
TENSILE STRENGTH:	2,300 psi
VISCOSITY:	100 KU, ATSM D2169
WEIGHT:	10.77 lbs. per gallon
FLASH POINT:	93° F
HARDNESS:	85, Shore A
PERMEABILITY:	0.9 perms
WATER ABSORPTION:	<2%
MINIMUM APPLICATION TEMP.:	40°F
DRY TIMES:	Dry-to-touch: 6 hours Tack-free: 12-16 hours Recoat: 18 hours
SERVICE TEMP. RANGE:	-50° to 200°F
SHELF LIFE:	1 year
CLEAN UP:	Acetone
COLOR:	White
PACKAGING	5 gallon

## SAFETY INFORMATION

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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