

ACR® PU44 Liquid Flashing is a specially designed and created water-based hybrid liquid rubber flashing with an integral synthetic micro-reinforcement. ACR PU44 Liquid Flashing has been specifically designed to eliminate blistering and wrinkling which may occur in exposed or ponded situations. It has an added application advantage, it does not require the use of polypropylene, polyester or chopped strand glass fiber reinforcing fabric. ACR PU44 Liquid Flashing provides a fully bonded homogeneous membrane barrier with no laps, joints or over-flashings. It is not affected by UV or temperature extremes and will not become brittle with age.

PHYSICAL PROPERTIES

Color	Gray
Composition	Reinforced Polymerized Monomers
Viscosity	14,000 cps @ 25°C
Specific Gravity	1.35
Solids Content	>60% by weight
Tensile Strength (ASTM D412-13)	6.2 N/mm ² @ 200% Elongation at Break
Elongation at Break (ASTM D412-13)	>950%
Water vapor transmission (ASTM E96-05)	0.68 g/h.m ²
Adhesion Peel Strength (ASTM D903)	5.7 N/mm
Accelerated Weathering (ASTM G154-16)	Passed
Moving Joint Test (CSIRO)	Passed
Shore A Hardness (ASTMD2240)	90
Weather Resistance	No cracking and no peeling
Acid Resistance (ASTM D896, Procedure 7.1)	Pass (Nitric acid and Sulfuric Acid)
Salt Resistance (ASTM D896)	No delaminating, blistering, emulsification, deterioration. (20% Sodium carbonate and Calcium chloride)
Resistance to Mold Growth (BS 5980-1980, Appendix B)	Excellent
Trafficability	Based on DFT of 1 mm at 250 C, 40% RH Foot Traffic: 8 hours Vehicular Traffic: 24 hours
Curing Time	24 hours

PERFORMANCE PROPERTIES

ACR PU44 Liquid Flashing can also be used in fully exposed roofing, waterproofing, balconies, podium decks, landscape areas, ponds, box gutters, planter boxes, and sill flashings.

ACR PU44 Liquid Flashing provides an excellent moisture barrier under tiles or other rigid surfacing to shower trays, bathroom floors and walls, laundries, kitchens or patios. Most premium quality water-resistant grade ceramic tile adhesive, suitable for application to an impermeable surface, will be compatible with ACR PU44 Liquid Flashing.

ACR PU44 Liquid Flashing membrane system complies with ASTM and BS "Waterproofing of wet areas, RC Roofs, Water Retaining Structures in Buildings".

APPLICATION

SURFACE PREPARATION

Ensure all surfaces are clean and free from dust and oil. Fill any gaps, expansion joints, etc., with ACR PU24 Elastomeric Sealant. Caulking and flashings are requirements of the TechCrete 2500 Waterproofing Systems

NOTE: Any Alchemco system products should only be applied when the surface temperature is 50°F (10°C) and rising or 100°F (38°C) and falling. Temperature should be measured with a infrared hand held thermometer.

Two or more coats of ACR PU44 Liquid Flashing membrane are required to be applied to all the internal corners, upturns, sills, hobs, outlets, penetrations, cracks, etc. and each coat allowed to fully dry, which may take up to 12 hours.

APPLYING PRODUCT

1. Apply ACR PU44 Liquid Flashing membrane coating by brush or roller in multiple coats, to achieve a film thickness of 30 plus mils.
2. Application will be in 2 to 3 coats, depending on the porosity and texture of the substrate.



TECHNICAL DATA SHEET

CLEAN UP

Uncured ACR PU44 Liquid Flashing may be removed with clean, clear water. Removal of product may be assisted with general purpose solvent.

APPLICATION RATES & PACKAGING

Coverage rate: 30 mils dry thickness
200 - 225 ft² per 5 gallon pail
18.5 - 21 m² per 19 liter pail
40 mils dry thickness
165 - 175 ft² per 5 gallon pail
15 - 16 m² per 19 liter pail

Packaging: 5 gallon pail / 19 liter pail

NOTE: The coverage rate is based upon an average application. In many cases the coverage may be slightly lower due to the shape and configuration of the area being treated.

SYSTEM COMPATIBILITY

This product is required to be used in the following TechCrete 2500 Waterproofing Systems where a Material & Labor Warranty is to be issued;

- Concrete
- CMU Masonry
- Brick Masonry
- Concrete Planters
- Water Features
- Vegetative Roofs

SHELF LIFE & STORAGE

Store in a cool, dry place and keep away from all sources of heat and sunlight. The shelf life is up to 24 months if stored in unopened containers and as per recommendations. Excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life. Please adhere to the same storage advisories when product is being stored on the project site.



WARNINGS



DANGER!

Wash hands, face and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear appropriate eye, skin and breathing protection when using this product. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

KEEP OUT OF REACH OF CHILDREN! IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.

See Safety Data Sheet for further details regarding safe use of this product. Safety Data Sheets for any Alchemco product may be obtained by contacting:
**Alchemco, 3532 Mayland Court, Henrico, VA 23233.
800- 610-2895 or emailing technical@alchemco.com or calling:**

**CHEMTREC 800-424-9300 (US)
703-741-5970 (International).**



WARRANTY DISCLAIMER

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