



AU-1 Liquid-Applied Flashing

Elastomeric Flashing and Detailing Membrane

Product Description:

AU-1 Liquid Applied Flashing is a high performance, single component, Styrene Butadiene Resin (SBR) elastomeric liquid flashing membrane. This low-odor, waterproofing barrier can be brushed, rolled or troweled, and requires no primer. It is formulated to provide a permanent, breathable waterproof seal with excellent adhesion to most common substrates, including green concrete. It is low VOC, easy to apply, and is easy to clean with soap & water.

Performance Features:

- Meets the performance requirements of AAMA 714-19
- Provides a breathable, waterproof seal
- No isocyanates or phthalates
- Weather resistant
- Soap & water cleanup
- Outstanding adhesion
- Paintable
- Can be applied to green concrete
- Apply by brush, roller or trowel
- Compatible with stucco without primer
- 18-month shelf life

Suggested Substrates:

Masonry Aluminum Wood
Concrete Brick Vinyl
Exterior Gypsum Building Envelope Systems

Surface Preparation:

Surfaces to be free of all dirt, dust, oil, mildew, frost or other contaminants. Any structural damage must be repaired prior to application. Any non-structural cracks or joints up to 1/2" should be sealed with **AU-1 Elastomeric Construction Sealant** prior to Liquid-Applied Flashing Application. Protect property and surface not to be applied with membrane.

Product Specifications

Vehicle:	100% Styrene Butadiene Resin
VOC:	Non-chemically curing membrane. VOC (less water and exempt compounds) <50 g/L (SCAQMD)
Pigment:	Calcium Carbonate
Weights Solids:	Approximately 66.42%
Volume Solids:	Approximately 53.0%
Weight per Gallon:	11.11 ± 0.5
Specific Gravity:	Approximately 1.33
Service Temp:	-30°F to 180°F
Temp Application Range:	40°F and rising. Air temp no hotter than 95°F and substrate not hotter than 160°F
Freeze Thaw Stability:	Passes 5 Cycles @ 0°F (1 cycle = 16hrs. @ 0°F, 8hrs at 75°F)
Flash Point:	N. A.
Consistency:	Paste / brush-able
Applications:	Interior / Exterior
Life Expectancy:	60-year performance
Shelf Life:	18 months when stored at 50°F to 80°F
Odor:	Mild Acrylic
Tooling Time:	10 to 20 Minutes
Tack Free Time:	60 Minutes
Paint Over Time:	6 to 8 hours
Full Cure:	24 to 72 hours
Coverage 30 mil wet:	53.46 sq ft per gallon

Packaging:	1 US Gallon
Color:	Blue
Item Number:	TS-00461
UPC Code:	843034004619

Packaging:	5 US Gallon
Color:	Blue
Item Number:	TS-00462
UPC Code:	843034004626

AU-1 Liquid-Applied Flashing– (cont.)

Mixing:

Do not induce air if product needs to be mixed. Do not dilute product by adding water.

Application:

Use a brush, roller, or trowel to apply **AU-1 Liquid-Applied Flashing** to a minimum of 30 wet mils over the desired area of the rough opening including the exterior surface. Application should be done in a manner resulting in the membrane surface being free of openings or pinholes. AU-1 LAF may be applied up to 60 wet mils without sagging if required due to substrate porosity. Allow product to skin before installing any components into rough openings. Skin times may vary by humidity and conditions. Check local building codes for additional recommendations or requirements.

NOT INTENDED FOR AREAS THAT WILL BE SUBMERGED IN WATER. KEEP FROM FREEZING. NOT FOR FOOD CONTACT SURFACES. PRODUCT CANNOT BE SANDED.

Clean Up:

Immediately after use, clean uncured material and tools with soap and water. Remove cured membrane by cutting with a sharp-edged tool.

Limitations:

Only apply AU-1 Liquid-Applied Flashing when product, surface, and air temperatures are above 40° F and rising. Do not apply on surfaces exceeding 160° F. Do not apply to frozen substrates, prior to extreme weather, or before heavy rain. AU-1 Liquid-Applied Flashing is not for use in below-grade applications, or in areas where frequent water ponding may occur. Product is not to be used as a structural sealant. Product is not intended for use on surfaces where it will be permanently exposed.

Storage:

AU-1 Liquid-Applied Flashing should be stored in original, unopened containers, away from heat and direct sunlight. Product should be kept from freezing. When stored correctly, product will have a shelf life of 18 months.

AU-1 Liquid-Applied Flashing– (cont.)

CERTIFICATION & TESTING

AAMA 714-19: Voluntary Specification for Liquid-Applied Flashing used to Create a Water Resistive Seal Around Exterior Wall Openings in Buildings			
Property	Test method	Minimum Requirement	Result
Section 5.1 Adhesive Bond to Substrates. Substrates as listed	ASTM C-794 180 degree peel angle. At 2"per minute.	5 pli	PASS Cement & Plywood
Section 5.2 Water Penetration Around Nails After 24 Hours @ 23°C +- 2°F & 50 % RH After thermal Cycling (10 cycles)	AAMA 711 section 5.2 50°C for 8 hour then -330°C for 16 hours (10 cycles)	Pass 31 MM (1/2") water	PASS
Section 5.3 Accelerated UV aging (14 Days) Peel Adhesion	ASTM G154 Cycle 1 or G155 ASTM C-794 180 degree peel angle. At 2"per minute.	5 pli Note any significant physical change	PASS (Cement)
Section 5.4 Elevated Temperature Exposure Level 1: 50°C for 7 days Level 2: 65°C for 7 days Level 3: 80°C for 7 days Peel adhesion After exposure Appearance:	ASTM C-794 180 degree peel angle. At 2"per minute. AAMA 711, Section 5.5 Appearance is a visual examination	5 pli Note any significant physical change	PASS (Cement & Plywood) Slight yellowing
Section 5.5 Thermal Cycling per AAMA 711 Peel Adhesion after cycling Appearance	AAMA 711, section 5.6.3 ASTM C-794 180 degree peel angle. At 2"per minute. Appearance is a visual examination	5 pli Note any significant physical change	PASS (Cement) Slight yellowing
Section 5.6 Crack Bridging Ability	ASTM C1305 modified as in section 5.6 of AAMA 714-19 Category 1 3.2mm Category 2 1.6mm	Water holdout of 550 millimeters for 24 hours with 3.2 mm or 1.6 mm crack after 10 cycles	PASS Category 1 & 2
Section 5.7 Water Immersion Peel Adhesion Appearance	AAMA 711 section 5.8 Appearance is a visual examination	5 pli Note any significant physical change	PASS (cement) Slight yellowing
Section 6.3 Water Vapor Permeability	ASTM E-96	Minimum of 10 perms at 30 dry mils (post cure).	PASS

Additional Testing

Property	Value
Tensile Stress at max Load	100 psi
Tensile Strain at break	151 psi
Toughness	29 psi
Water Absorption % ASTM D471	17%
MVTR	-100.8

AU-1 Liquid-Applied Flashing– (cont.)

WARNING! IRRITATING TO SKIN, EYES AND RESPIRATORY TRACT. Harmful if swallowed, inhaled or absorbed through the skin. May cause allergic skin reactions and/or central nervous system depression. Adverse reproduction effects have been reported in animals. May cause adverse kidney effects. Avoid contact with eyes, skin and clothing. Use in well ventilated area. Wear eye, skin, and respiratory protection. Eye contact: Immediately flush with water for 15 minutes and get medical attention immediately. If swallowed: Do not induce vomiting. Give large quantities of water and get medical attention. Never give anything by mouth to an unconscious person. For health information, refer to Material Safety Data Sheet or call Chemtrec at 800-424-9300. **KEEP OUT OF REACH OF CHILDREN.**

⚠WARNING! Cancer and Reproductive Harm – Go to www.P65Warnings.ca.gov for additional information

Material Safety Data Sheets (SDS) available upon request via towersealants.com or by calling 866-897-7568

Warranty: TOWER Sealants warrants this product to be free from manufacturing defects. The installer is responsible for the testing of this product on the surfaces of the targeted application for compatibility and performance prior to use. This is the sole and exclusive remedy and liability for defects or failure of this product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESSED OR IMPLIED; INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.