



# ECO-FLEX

**Water Based, Highly Flexible, Liquid Rubber  
Waterproofing Membrane  
For Residential & Commercial Construction  
30 Year Warranty!**

## # DESCRIPTION

**Eco-Flex** is a water based, cold applied, rubberized, highly flexible, liquid waterproof membrane. Aquaseal has developed this exceptional product for the Residential & Commercial construction industry. **Eco-Flex** is solvent free, non-flammable, and forms a highly flexible monolithic waterproof membrane. It has excellent adhesion properties, not only on concrete (both new and existing), but also ICF (Insulated Concrete Forms) and polystyrene sheets, and cures to form a water and vapor proof coating. **Eco-Flex** is not only #1 in quality and performance, but is also offered at a very competitive price.

## # FEATURES

Meets and exceeds all criteria for ICC-AC29 (Acceptance Criteria for Cold Liquid-Applied Below Grade Exterior Dampproofing & Waterproofing Materials)

- ✓ Ready to use - no priming required
- ✓ Spray applied – or with brush or roller
- ✓ Highly flexible - +950%
- ✓ 30 Year Warranty on product
- ✓ Adheres to virtually all building substrates
- ✓ Can be used on plywood and SIP or OSB panels
- ✓ UV resistant (up to 18 months exposure)
- ✓ Non toxic and VOC compliant in ALL States and Canada
- ✓ Solvent free and non-flammable
- ✓ Water and air barrier protection
- ✓ Cleans up with water
- ✓ Very good coverage – 250sf per 5 gal. pail
- ✓ Long shelf life (3+ years)
- ✓ Prevents the ingress of radon and other harmful gases
- ✓ Use on above and below grade applications, horizontal or vertical surfaces
- ✓ Can be used as an adhesive for Polystyrene Protection boards
- ✓ In accordance with ICC-AC29, **Eco-Flex** is applied at a thickness of 60mil wet and cures to a minimum 40mil when dry

## # CODE APPROVALS

**Eco-Flex** meets and/or exceeds all waterproofing standards: ASTM C836-89, BOCA National Building Code, Standard Building Code & Uniform Building Code, and the new ICC-AC29.

## # SURFACE PREPARATION

Coverage area should be clean, sound and dry, and free of any loose material or debris. **Eco-Flex** has superior adhesion and bonds firmly to the ICF or substrate, even when applied onto green concrete. However, **Eco-Flex** should not be applied if rain is forecast over a 24 period after application.

## # COVERAGE

Approximate application rate is 200-250sf per 5 gallon pail, which will yield a dry film thickness of 40mil.

## # APPLICATION

**Eco-Flex** is best applied by with an airless sprayer (contact Aquaseal for sprayer specifications or visit our website - [www.aquasealusa.com](http://www.aquasealusa.com)). The product can also be applied by brush or roller.

## # CURING & DRYING

Ideal drying temperature is +35F. Under standard conditions **Eco-Flex** will be tack free within 1-2 hours, fully dry within 12 hours, and backfilling can then take place. It is recommended that protection boards be used in areas with poor draining soil, possible flooding or seismic activity, or where local building codes require it.

## # LIMITATIONS

**Eco-Flex** is not designed to perform as an exposed wearing course membrane. Do not apply when temperatures are expected to drop below freezing during the first 24 hours after application, unless using a heated sprayer, when **Eco-Flex** will cure within 30 minutes. Newly applied **Eco-Flex** should be protected against rain and freezing during the first 12hours.

# **STORAGE & HANDLING**

Keep containers tightly sealed and stored in temperatures between 35F to 90F. If kept as stated, the shelf life of **Eco-Flex** is 24+ months. Stir well prior to use. **DO NOT LET PRODUCT FREEZE.**

# **CAUTION**

**Eco-Flex** is non toxic, but it is recommended that the applicator wear protective work clothing and eye wear. Avoid prolonged contact with exposed skin and keep away from mouth and eyes. If swallowed, do not induce vomiting and seek medical help immediately. **KEEP OUT OF REACH OF CHILDREN**

# **CLEAN UP**

Uncured material can be cleaned off using soap and water. Once cured use mineral spirits.

# **WARRANTY**

It is the responsibility of the customer to determine the suitability of the product for the intended purpose. Factors such as weather surface preparation and applicator's skill are beyond the control of the company. Therefore, the manufacturer's liability is limited to the replacement of the defective material only.

**PHYSICAL PROPERTIES & TECHNICAL CERTIFICATION DATA**

Solids	68%
Color	Black
Bond strength (to concrete)	105 psi
Tensile strength	68 psi
Recovery	89%
Bonding (ICF & Concrete) ASTM C-836-76	Tear off 74 psi
Hydrostatic Resistance ASTM D-751	Passed
Permeability	0.063 perms
Toxicity	Non toxic
Hardness Shore A - ASTM D-2240	87
Elongation	1050%
Moisture Vapor Transmission	.0012 grm/sq.ft/hr
Hardness Shore A - ASTM D-2240	ASTM C836-89, Section 5.5 = Passed
Weight Loss	ASTM C836-89, Section 5.6 = Passed
Low Temperature Flexibility & Cracking	ASTM C836-89, Section 5.7 = Passed - no cracking
Film Thickness on Vertical Surface	ASTM C836-89, Section 5.9 = Passed
Adhesion in Peel after Water Immersion	ASTM C794 = Passed
Extensibility after Heat Aging, minimum	ASTM C836-89, Section 5.12 = Passed - no cracking
Resistance to Decay	ASTM E-154-88, Section 13 = Passed - no rupture or cracking after stretching to 125% of original dimension. Pinholes or other perforations also denote failure
Water Vapor Permeance	ASTM D96-80, Water Method = Passed - Maximum 1 perm
Water Absorption	ICC AC-29, Section 4.3 = Passed - 1.0% maximum
Hydrostatic Pressure Resistance	ICC-AC29, Section 4.4 = Passed - 50% of lowest pressure achieved