

# LIQUID RUBBER ACRITECH®

Liquid Rubber

Value Solutions for Professionals

Liquid Rubber Acritech® is a chemical and water resistant, polymer modified acrylic industrial coating. Applied as a single component liquid Acritech® cures to give a flexible coloured surface coating and is recommended as a top coat over Liquid Rubber's Daclar®, Drylar®, Vezlar® or Zavlar®.

## USES

Liquid Rubber Acritech® is recommended where a protective and decorative or coloured finish with good flexible properties is needed. Liquid Rubber Acritech® is also recommended where the surface requires protection from intermittent hydrocarbon or chemical spills.

Applications include roof waterproofing, corrosion protection for storage and process tanks, piping and metal and wood structural features and decorative surface finishes for decks, walkways.

## BENEFITS

- Ease of application and minimal surface preparation
- Contains no solvents or toxic chemicals
- Resists degradation from a wide range of chemicals
- A flexible coloured membrane resisting cracking and aging
- Good abrasion resistance
- Low permeability and water vapor transmission
- Excellent resistance to hydrocarbon and chemical spills
- Mechanical damage to the membrane can be easily repaired
- Fully adhered and seamless membrane –no leakage

## PRODUCT DESCRIPTION

Acritech® is a water based acrylic emulsion which has been modified using various performance enhancing polymers and pigments that is easy to apply and The Liquid Rubber cures to achieve full performance within hours.

Liquid Rubber Industries Inc.  
601 Burlington Street East, Hamilton Ontario Canada  
L8L 4J5 Tel: 905 528-5800  
[www.liquidrubber.ca](http://www.liquidrubber.ca)

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## PERFORMANCE DATA (cured membrane)

Property	Typical Results
Chemical resistance	Most organic and inorganic solutions including petroleum hydrocarbon products
Impact resistance CGSB 37-GP-56 @23°C	168 in-lbs
Water tightness after impact	Pass (no leakage observed)
UV resistance (ASTM G 155) 250 hrs.	No deterioration of the film, >90% retention of original tensile strength
Tensile strength (ASTM D 412)	1200 psi
Adhesion to concrete (ASTM C907)	450 psi
Low temperature mandrel @ -15 C.	pass
Hardness, Durometer type 00	80-85
type A	65-67
type D	18-20
Elongation	>200%

## PHYSICAL PROPERTIES (liquid)

Property	Typical results
Specific gravity	1.2
Solids content	65-68%
Viscosity Cps, Brookfield	5000-8000
pH	8-11

Liquid Rubber Acritech® is available in the following colours.



## TECHNICAL SUPPORT

Liquid Rubber Industries provides contracting professionals, high quality, environmentally safe and performance-based waterproofing and corrosion prevention products worldwide. Liquid Rubber provides contractors and end-users a detailed package of technical information and training. In addition our technical services department is available for consultation and field application support.

## APPLICATION INSTRUCTIONS

Liquid Rubber Acritech® is water based and environmentally friendly product which must be applied when the ambient temperature is above 10 °C.

For best results Liquid Rubber Acritech® should be applied as a surface coating over Liquid Rubber Drylar®, Daclar®, Vezlar® or Zavlar®. When using Zavlar®, dilute with distilled water, mixing 2 part Zavlar® to 1 part water and apply a thin coat to the surface.

One litre of Acritech® covers 0.8 m<sup>2</sup> (30 sq.ft.) to give a 1mm thick coat, depending on the colour selected (lighter colours may require a heavier application). For best results apply in multiple thin coats using an airless spray pump or foam roller.

### Coverage

Cured membrane thickness (mm)	Coverage	
	(m <sup>2</sup> /litre)	(ft <sup>2</sup> /usg)
0.5	1.50	60
1.0	0.75	30
1.5	0.50	20
2.0	0.38	15

Typically Liquid Rubber Acritech® will dry to the touch in several minutes and is largely cured within 48 hrs. The final cured properties may, however, not be realized for 28 days.

Liquid Rubber Acritech® is unaffected by a range of acids, alkalis and waterborne salts and is resistant to biological deterioration.

Liquid Rubber Acritech® is not recommended where the surface is continually submerged in water, but can be used where exposure is intermittent.

Where Liquid Rubber Acritech® is applied as a top coat over polyurethane foam in roof coating applications; apply to a minimum thickness of 1mm.

Because Liquid Rubber Acritech® is a flexible membrane and not a paint coating it is important to build thicknesses about 1mm for both flexibility and longevity.

When applying Liquid Rubber Acritech® over Liquid Rubber instant set coatings such as Daclar®, Vezalar® or Drylar® ensure that the base coat has been allowed to set for 30 minutes then rise surface with water to remove any trace salts.

Liquid Rubber Acritech® over Zavlar® does not require a water wash prior to application, however allow the Zavlar® coat to cure for 1-2hrs.

*Complete details on application of Acritech® are contained in the Liquid Rubber Application Manual or by contacting one of our technical service representatives.*

## CLEANING

Tools and equipment can be cleaned with distilled water if the product is fresh and still liquid.

## STORAGE

Shelf life of Liquid Rubber Acritech® stored in its original unopened container is 12 months. Normal stirring upon opening is recommended.

Product should not be stored below 5°C or above 30°C.

Liquid Rubber Acritech® contains no solvents and has a flash point greater than 180°C.

