

# Certificate of Compliance

Certificate Number 20091118-EX6296  
Report Reference 2002 November 18  
Issue Date 2009 November 18

Page 1 of 3



**Underwriters  
Laboratories Inc.®**

**Issued to:** FIRE SERVICE PLUS INC.

PMB 424  
180 Etowah Trace  
Fayetteville, GA 30214

*This is to certify that  
representative samples of*

## **Foam Liquid Concentrates**


FireAde 2000 AFFF, nominal 3 percent, Aqueous Film Forming Foam,  
35°F minimum storage and use temperature. Hydrocarbon fuels only.

*Have been investigated by Underwriters Laboratories Inc.® (UL) or any authorized  
licensee of UL in accordance with the Standard(s) indicated on this Certificate.*

**Standard(s) for Safety:** UL 162, "Foam Equipment and Liquid Concentrates."

**Additional Information:** See addendum pages 1 and 2

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle:  with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

**Look for the UL Listing Mark on the product**

Issued by:

*Mona Couloute*  
Mona Couloute

Underwriters Laboratories Inc.

Reviewed by:

*Monica Westphal*  
Monica Westphal

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

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Page 2 of 3



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This is to verify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

This category covers foam liquid concentrates, which include protein, fluoroprotein, film-forming fluoroprotein (FFFP), aqueous film-forming foam (AFFF), or other synthetic-based materials.

Foam is generally produced by the addition of a foam liquid concentrate to water and mechanically mixing air into the foam solution. Some foam solutions may be discharged through equipment that does not mix air into the solution as indicated in the individual Listings.

Foam is suitable for use on fires involving ordinary hydrocarbon petroleum products, but may not be suitable for use on fires involving polar solvent fuels. Concentrates investigated for use on polar solvent fuels are noted in the individual Listings.

Liquid concentrates may be stored in the original shipping containers or in pressure-proportioning tanks. Liquid concentrates are not intended to be stored at temperatures lower than those for which they have been Listed or above 120°F. They should be stored in locations free of excessive moisture to avoid external corrosion of containers and other equipment.

The quality of foam produced is affected by proportioning and discharge equipment. The individual Listings of liquid concentrates reference all the equipment with which it may be used and the corresponding operating limitations, including foam concentrations.

There are two types of foam-discharge outlets:

Type II - Discharge devices that do not deliver foam gently onto the liquid surface but are designed to minimize submergence of the foam or agitation of the surface. Examples include foam chambers, subsurface injection equipment, or applying the foam off a backboard or the wall of a tank.

Type III - Discharge devices that deliver foam directly onto the liquid surface at an angle above the horizontal. Examples include hand-held nozzles or monitors.

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Page 3 of 3



Unless otherwise stated in the individual Listings, the type of discharge outlet Listed with a foam is Type III.

Foam concentrates investigated with Listed sprinklers and fixed spray-foam nozzles are intended to be installed in accordance with the applicable requirements of ANSI/NFPA 11, "Standard for Low-, Medium-, and High-Expansion Foam," or ANSI/NFPA 16, "Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems," but in no case is the protected area *per sprinkler* to exceed 39.6 sq. m..

*Foam extinguishing systems are intended to be installed in accordance with the applicable requirements of ANSI/NFPA 11 and ANSI/NFPA 16. Authorities Having Jurisdiction should be consulted before installation.*

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