



Alcoseal^{C6} 3-6 LT

Alcohol Resistant Film-Forming
FluoroProtein (AR-FFFP) Foam
Concentrate

- z Highly versatile
- z Film-forming on hydrocarbons for fast flame knockdown and extinguishment
- z Detergent-free for high resistance to fuel pick-up
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Alcoseal^{C6} 3-6 LT is a superior quality Alcohol Resistant Film-Forming FluoroProtein (AR-FFFP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Its unique formulation is based on advanced protein foam technology. The protein base material provides a tough cohesive foam blanket with high resistance to heat. Fluorochemical surface active agents combined with the protein base produce a vapour-sealing aqueous film on hydrocarbons that provides the same fast control and extinguishment as a top quality synthetic AFFF. On polar solvents an insoluble polymer membrane is formed which protects the foam blanket from the solvent.

- Highly versatile and so eliminates the need to stock a variety of foam types.
- Stable and long-lasting foam blanket for excellent burnback resistance and post-fire security.
- Foam blanket re-seals when ruptured by personnel or equipment.

Applications

Alcoseal^{C6} 3-6 LT is the ideal fire fighting foam to use in high risk situations where hydrocarbons (such as crude oil, gasoline, diesel fuel, aviation kerosene) and/or polar solvents (such as alcohols, ketones, esters, and ethers) are stored, processed, or transported.

Approvals and Listings

Alcoseal^{C6} 3-6 LT is independently tested and certified to EN1568:2008 Parts 3 & 4.

Equipment

Alcoseal^{C6} 3-6 LT is intended for use at 3% (3 parts concentrate to 97 parts of water) on hydrocarbons and 6% on polar solvents.

Alcoseal^{C6} 3-6 LT is readily proportioned using conventional foam proportioning equipment such as portable and fixed foam proportioners.

Alcoseal^{C6} 3-6 LT can be used with air aspirating discharge devices such as low expansion branchpipes, monitors, top pourer sets.

As with any foam Alcoseal^{C6} 3-6 LT is best applied gently on to the burning liquid surface. However, its exceptional resistance to fuel contamination enables it to withstand vigorous mixing with hydrocarbon fuel. This makes it ideal for forceful application on to hydrocarbon storage tank fires from ground-based mobile monitors or through base (sub-surface) injection systems at temperatures as low as -13°C (9°F).

Alcoseal^{C6} 3-6 LT also produces top quality medium expansion foam when proportioned at 6% and applied through medium expansion branchpipes and bund pourers.

Alcoseal^{C6} 3-6 LT can be used with non-aspirating discharge devices such as spray/fog branchpipes and nozzles, monitors, and spray/fog sprinklers.

Non-aspirated application is not recommended as the primary method of attack for major fires where a stable foam cover is essential.

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Compatibility

Alcoseal^{C6} 3-6 LT is suitable for use in combination with:

- Soft or hard, fresh, brackish or sea water.
- Dry powder extinguishing agents either separately or as twin agent systems.
- Expanded protein-based or synthetic foams for application to a fire in sequence or simultaneously.

Storage

Alcoseal^{C6} 3-6 LT is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Environment & Disposal

As all 'C6' foams contain PFAS please refer to the product's Safety Data Sheet (SDS) and website for more information regarding the use, discharge and disposal of all firefighting foam products.

Reliability

Alcoseal^{C6} 3-6 LT is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability.

Angus Fire operates a quality management system which complies with the requirements of BS EN ISO 9001.

Typical physical properties as supplied

Appearance		Dark Brown Liquid
Specific gravity @ 20°C (68°F)		1.10 - 1.14
pH @ 20°C (68°F)		7.0 - 8.0
Non-Newtonian fluid that is pseudoplastic (shear thinning)		
Viscosity @ 20°C (68°F) using No.4 spindle at 60 rpm	cP	500 - 1300
Maximum continuous storage temperature	°C (°F)	49 (120)
Maximum intermittent storage temperature	°C (°F)	60 (140)
Freezing point	°C (°F)	-14 (6.8)
Effect of freeze/thaw		No loss of performance
Lowest use temperature	°C (°F)	-13 (9)

Typical Foam Properties

Foam generated using the U.K. Defence Standard DEF42-40 5 lpm branchpipe at 7 Bar pressure.
Foam collected in a 1630 ml N.F.P.A. drainage pan.

Induction rate		3	6
Expansion ratio		≥ 7:1	≥ 7.5:1
25% drainage time	min/sec	≥ 3'00"	≥ 7'00"

Packing Specification

	Plastic Square	Plastic Square	Plastic Cylindrical	Plastic Cylindrical	Ecobulk MX
Capacity	25 litres	5 US gallons	200 litres	55 US gallons	1000 litres
Empty weight (kg)	1.2	0.8	9.0	9.0	70
Filled weight (kg)	29	22	229	239	1170
Dimensions (mm)	448 x 286 x 286	402 x 293 x 240	580 D x 922 H	580 D x 922 H	1200 L x 1000 W x 1160 H
Part number	FN0703G0P	FN0703T0P	FN0703J0P	FN0703W0P	FN0703L8



**EN1568:2008
Parts 3 & 4**

EMERGENCY FOAM SERVICE Call +44 (0) 15242 61166 – 24 hours a day, every day

UK SALES

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Angus Fire operates a continuous programme of product development. The right is therefore reserved to modify any specification without prior notice and Angus Fire should be contacted to ensure that the current issues of all technical data sheets are used.