



JetFoam

ICAO-C 6%

Fluorine Free (FF)
Foam Concentrate

Integrity

Doing what's right, rather than what's convenient

Angus Fire prides itself on the open and honest way in which we conduct our business throughout the world. Our foams are an extension of our ethical beliefs and we pride ourselves in being the responsible foam manufacturer, balancing high performance with minimal environmental impact. Our fluorine free foams contain no fluorosurfactants, fluoropolymers, organohalogens, PFAS, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

Innovative Formulation

Angus Fire has developed a revolutionary foam specifically for the rigorous and challenging needs of the aviation sector - Angus JetFoam ICAO-C. It has been designed as a fluorine free foam for those circumstances when minimising environmental persistence is paramount. JetFoam ICAO-C has been independently tested and meets the requirements of ICAO Level C.

A unique patent pending formulation for aerodrome protection – repeatable and responsible certification.



- World's first film forming fluorine free foam on aviation fuels
- Fast knock-down and extinguishment exceeding the requirements of ICAO level C
- True Newtonian (low viscosity) foam to ensure accurate, easy induction and airport crash vehicle compatibility
- Fluorine free to meet airport policy on minimising environmental persistence

JetFoam ICAO-C is a superior quality synthetic fluorine free (FF) foams concentrate, designed for extinguishing and securing flammable aviation fuel spills and fires (Jet A and Jet A1).

JetFoam ICAO-C is a patent pending combination of surfactants and other ingredients and produces a vapour sealing blanket of foam that rapidly spreads over the surface of the fuel to provide rapid control and extinguishment.

- Unique patent pending formulation only available from Angus Fire.
- The world's first truly Newtonian fluorine free foam (it behaves like water due to not containing any polymers or gelling agents).
- Specifically designed for the aviation sector's focused risks.

Applications

JetFoam ICAO-C is used in high risk situations where hydrocarbon fuels such as Jet-A, Jet-A1 and aviation kerosene are processed, stored or transported.

It is designed to be used on Aviation Rescue Fire Fighting Vehicles (ARFFV), Rapid Intervention Vehicles (RIV) and airport crash trucks where fast extinguishment is essential for saving life. JetFoam ICAO-C provides a vapour suppressing foam blanket on Jet-A and Jet-A1 spills.

Approvals and listings

JetFoam ICAO-C meets and exceeds the requirements of ICAO 2013 Level C and is certified to this performance level.

Equipment

JetFoam ICAO-C is intended for use at 6% (6 parts concentrate to 94 parts water). JetFoam ICAO-C is readily proportioned using conventional foam proportioning equipment.

JetFoam ICAO-C can be used with air aspirating devices. Where a fire or shallow spill is involved with fire, Angus Fire always recommends the use of aspirated foam where a stable foam blanket is essential.

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Compatibility

JetFoam ICAO-C is suitable for use in combination with:

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

Environment

JetFoam ICAO-C contains no fluorosurfactants, fluoropolymers, organohalogens, PFAS, PFOA and no PFOS in accordance with EU Directive 2006/122/EC and amended Council Directive 76/769/EEC.

JetFoam ICAO-C is 100% biodegradable.

Storage

JetFoam ICAO-C is exceptionally stable in long-term storage. A shelf-life of at least ten years can be expected if it is stored properly.

Disposal

For fire water runoff and accidental spillage please refer to Angus Fire's Foam Disposal Guide and MSDS for more information

Product Quality

JetFoam ICAO-C production is closely controlled, Angus Fire operates a quality management system which complies with the requirements of BE EN ISO 9001.

Typical Physico-Chemical Properties

| | |
|------------------------------|---|
| Appearance | Clear mobile liquid |
| Specific gravity @ 20°C | 0.99 – 1.01 |
| pH | 8-9 |
| Viscosity @ 20°C | 20 - 50 mm ² s ⁻¹ |
| Maximum continuous storage | 50°C |
| Maximum intermittent storage | 60°C |
| Effect of freeze/thaw | None |
| Lowest use temperature | 0°C |
| Sediment as shipped | ≤ 0.1% |
| Sediment after ageing | ≤ 0.1% |

Typical Foam Properties:

| | |
|-------------------|-------------|
| Induction rate | 6% |
| Expansion ratio | ≥ 7:1 |
| 25% drainage time | ≥ 3 minutes |

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 |
| Filled weight (kg) | 26 | 20 | 209 | 218 | 1070 |
| 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 | FN0512G0P | FN0512T0P | FN0512J0P | FN0512W0P | FN0512L8 |



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

SALES & MARKETING

Angus Fire Ltd
Angus House, Haddenham Business Park,
Pegasus Way, Haddenham, Aylesbury, HP17 8LB, UK
Tel: +44 (0)1844 293600 • Fax: +44 (0)1844 293664

MANUFACTURING PLANT

Angus Fire Ltd
Station Road, Bentham, Lancaster, LA2 7NA, UK
Tel: +44 (0)1524 264000 • Fax: +44 (0)1524 261580

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.

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