Perimeter SOLUTIONS
Quality Products. Exceptional Response.

Solutions That Save.

AQUAFILM™ AF ICAO C

PREMIUM FOAM CONCENTRATE AFFF

AUXQUIMIA
Fire fighting products

DESCRIPTION

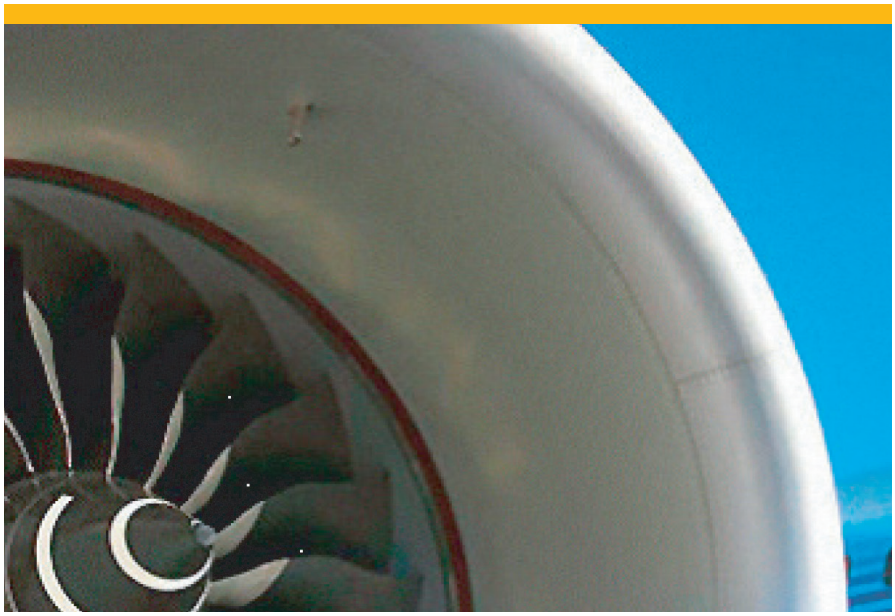
AQUAFILM™ AF ICAO C range is specifically designed to fight effectively all type of Class B fires (Hydrocarbon) being also very adequate to fight Class A fires.

AQUAFILM AF ICAO C is supplied as a 1%, 3% or 6% concentrate. Its extraordinary AFFF properties give this product an effective and rapid knockdown of the fire when fighting non miscible flammable liquids. **This product is specially designed to fulfill and exceed aviation requirements.**

AQUAFILM AF ICAO C uses very specific fluorinated and hydrocarbon surfactants in order to allow a good formation of an aqueous film on the surface of most hydrocarbon fuels, suppressing vapour leaks and preventing its contact with the oxygen and providing an excelling sealing on hot surfaces. Its formulation allows a great oil repellence, fluidity and burnback resistance.

AQUAFILM AF ICAO C is a perfect tool to fight fires on storage tanks, bund, process areas, loading racks, power stations, airports or marine terminals amongst others.

AQUAFILM AF ICAO C is designed to be used with low expansion foam equipment (nozzles, monitors, foam



chambers, etc.), non-aspirating devices (water spray nozzles and standard sprinklers) and medium expansion foam branches.

AQUAFILM AF ICAO C may be proportioned with standard equipment (in-line inductors, bladder tanks, balanced pressure systems, etc.) and special purpose ones for AFFF agents (e.g., Hydrofoam nozzles).

- The dilution rate of AQUAFILM AF-1 ICAO C is 1% in fresh or sea water (1% foam concentrate + 99% water)
- The dilution rate of AQUAFILM AF-3 ICAO C is 3% in fresh or sea water (3% foam concentrate + 97% water)
- The dilution rate of AQUAFILM AF-6 ICAO C is 6% in fresh or sea water (6% foam concentrate + 94% water)

AQUAFILM AF ICAO C is highly biodegradable and it is manufactured according to “C6 fluorocompounds” fulfilling the 2010/2015 EPA PFOA Stewardship Program.

SPECIFICATIONS

TYPICAL PROPERTIES	1%	3%	6%
Specific gravity @ 20°C	**1.06**	**1.035**	**1.025**
pH @ 20°C	**7.0-8.0**	**7.5-8.5**	**8.0-8.5**
Viscosity, cone and plate, mPa.s @ 20°C	**15**	**5.0**	**3.0**
Freezing point, °C	**<-10°C**	**<-10°C**	**<-5°C**
Lowest temperature for use, °C	**-10°C**	**-10°C**	**-5°C**

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FOAM SOLUTION			
Dilution rate	**1%**	**3%**	**6%**
Surface tens. at 20°C, mN/m (Demineralised water)	**16.0**	**15.8**	**16.0**
Interfacial tens. with cyclohexane @ 20°C, mN/m	**2.5**	**2.5**	**2.5**
Low Expansion Foam (EN-1568-3)			
Foam Expansion Index	**8.5**	**8.5**	**9.0**
25% Drainage Time, min:s	**3:20**	**4:00**	**4:00**

PERFORMANCE

The foam achieves a very quick knock-down of fires, even with low application rates and shows a good burn-back resistance. It fulfils the standard EN 1568-3:2008 for hydrocarbons as class 1B and AQUAFILM AF-6 ICAO C has approval certification of ICAO Level C.

STANDARD	EN-1568-3:2008						ICAO C		
Fuel	Heptane						Kerosene	Jet A-1	
Application	Forceful			Gentle			Forceful	Forceful	
Dilution rate, %	1	3	6	1	3	6	1	3	6
Water	fresh	fresh	fresh	fresh	fresh	fresh	fresh	fresh	fresh
Extinction	1:17	1:25	1:10	1:51	1:51	1:10	0:55	0:58	0:58
Burnback 25%	<10:00	<10:00	<10:00	15:25	15:25	15:16	17:04	16:00	15:08
Classification	1B						pass level C		

EN 1568: 2008 Part 3

PACKAGING

The product is supplied in 20 or 25 L PE prismatic containers, 200 L PE cylindrical drums and 1.000 L IBC containers.

STORAGE

The concentrate should be stored at temperatures between –5C° and +50°C, preferably in the original containers or in stainless steel or epoxy lined tanks. Avoid permanent contact with carbon steel, iron, cooper alloys, aluminium, etc. Do not mix with other foam concentrates without a previous verification of compatibility.

⚠ CAUTIONS

Foams should not be used in contact with electrical equipment nor with chemical products that can react with water. It is recommended to avoid the contact of the foam concentrate with the skin. In case of eye splashes wash with plenty of water. In case of ingestion do not induce vomit, drink water and take medical advice.

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FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

www.auxquimia.com

www.Perimeter-Solutions.com

UNITED STATES
1520 Brookfield Avenue
Green Bay, WI 54313
Tel: +1 (920) 593-9445
salesfoamusa@perimeter-solutions.com

EMEA
Polígono Industrial de Baiña, Parcela 23
33682 Baiña-Mieres (Asturias) – Spain
Tel: +34 985 24 29 45
salesfoamemea@perimeter-solutions.com

ASIA PACIFIC
3 Charles Street
St Marys NSW 2760 – Australia
Tel: +61 2 9673 5300
salesfoamapac@perimeter-solutions.com

perimeter-solutions.com