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# Fire-Fighting Foam





# Foam Types

	Type	Concentration	Environment		Standards						Applications
FOAMS			FFF	SF	EN 1568	ISO 7203	UL	Marine	ICAO	Last Fire	
FREEFOR	A	0.1%-1%									
FREEFOR SF	A	0.1%-1%									
HYFEX	HX	1%-3%									
HYFEX SF	HX	1%-3%									
CHEMEX	AFFF	1%-3%-6%									
FLUOEX	AFFF	1%-3%-6%									
FRESOLV	AFFF	1%-3%-6%									
FREEDOL	FFF-AR	3x3-3x6									 
POLAREX	AR	3x3-6x6									
FILMEX	AFFF-AR	1x3-3x3-3x6									 
FP	FP	3%-6%									
PROSEAL	FFFP	3%-6%									
PROTOL	FFFP-AR	3x3-3x6-6x6									 



Forestry



High Expansion



Hydro Carbon



Polar Solvent

# FREEDOL (AR-FFF)

**Synthetic Foam  
Concentrate  
FFF AR  
Fluorine Free**

## PERFORMANCE & WARRANTY

FREEDOL meets international requirements  
EN1568-1 & 2: Pass  
EN1568-3: Class IIIB  
EN1568-4: Class IA  
ISO 7203-1, 2, 3  
Marine: BV  
LASTFIRE TEST – Hydrocarbon, Ethanol  
ICAO Level B

FREEDOL can be used with tap and sea water

FREEDOL has a 10 years warranty in its original packaging  
and at storage temperatures -30°C / +60°C.

## PHYSICAL DATA

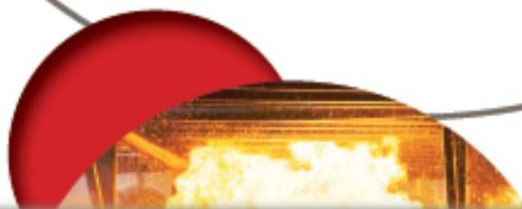
Appearance / colour	Green Gel
Concentration of use on Hydrocarbons	3 %
Concentration of use on Solvents	3 or 6 %
Specific gravity at 20°C (Kg/dm <sup>3</sup> )	1.06
Viscosity at 20°C (mPa.s)	1300
Ph at 20°C	7
Freezing point	-16°C
Sediment after ageing	< 0.1%
Surface tension at 3% (mN/m)	25

## FOAM QUALITY

Concentration of use	3 %	6%
Low expansion	8	9
Drainage time 25%	15 min.	30 min.
Medium expansion	60	130
High expansion	800	900

*Foam Expansion value depends on the equipment*

- Environmental-Friendly
- Versatile (Low, Medium and High Expansion)
- International Certifications (EN1568, ISO 7203, BV, ICAO and Last Fire)



# CHEMEX (AFFF)

## Fluorosynthetic Foam AFFF

### PHYSICAL DATA

	SC	CHEMEX		
		1	3	6
Appearance /colour		Light yellow liquid		
Concentration of use	0.5 %	1 %	3 %	6 %
Specific Gravity at 20°C (Kg/dm3)	1.01	1.01	1.01	1.00
Viscosity at 20°C (cStokes)	20	12	5	3
Freezing point	-30°C	-21°C	-10°C	-5°C
Ph at 20°C		8		
Sediments after ageing		0 %		
Surface tension (mN/m)		19		
Interfacial tension (mN/m)		2		

### FOAM QUALITY

Low Expansion	10
Drainage Time 25% / 50%	3 min. / 5 min.
Medium Expansion	70

*Foam Expansion values depend on the equipment*

### PERFORMANCE & WARRANTY

CHEMEX meets international requirements  
EN 1568-3: Class IIIC  
Marine: BV

CHEMEX can be used with tap and sea water.

CHEMEX can be premixed for sprinklers, bladder tanks...

CHEMEX has a 10 years warranty in its original packaging and  
at storage temperatures 0°C / +60°C



# FP

## FluoroProteinic Foam AR

### ● PERFORMANCE & WARRANTY

PRO and FP meets international  
requirements  
EN 1568-3: Class III  
Marine: BV

PROSEAL meets international  
requirements  
EN 1568-3: Class IA

PRO • FP • PROSEAL can be used with tap and  
sea water.

PRO • FP • PROSEAL has a 5 years warranty in its  
original packaging and at storage temperatures  
-30°C / +60°C.

### ● PHYSICAL DATA

PHYSICAL DATA	PRO		FP		PROSEAL	
	694	397	694	397	6	3
Type	P		FP		FFFP	
Appearance / Colour	Dark brown Liquid					
Concentration of use	6%	3%	6%	3%	6%	3%
Specific Gravity at 20°C (Kg/dm3)	1.02	1.04	1.01	1.03	1.07	1.10
Ph at 20°C	7					
Viscosity at 20°C (cStokes)	5					
Freezing point	-8°C	-12°C	-6°C	-6°C	-14°C	-14°C
Sediment after ageing	<0.5%					
Surface tension (mN/m)			25	25	18	18
Interfacial tension (mN/m)					2	2

### ● FOAM QUALITY

Low Expansion	8	8	6	6	8	8
Drainage time 25% / 50% (min.)	3/6	3/6	2/4	2/4	3/6	3/6

*Foam Expansion values depend on the equipment*



# Portable Hotspotter

- An easy-to-use tool that provides an alternative answer to expensive heat cameras.
- It is used to detect hidden hot spots and are the perfect tool for personal protection.
- The signal is visible on its LED display and can be heard via a beeper which can be heard clearly through a fire helmet.
- Robust and watertight and can last up to 20 hours of continuous usage

