

TECHNICAL DATA SHEET

PROFLON-FP FluoroProtein foam concentrate

For use on Hydrocarbon fires - Low & Medium Expansion

Composition

The foam concentrate **PROFLON-FP** is composed of a special mixture of hydrolysed proteins, fluorocarbon surfactants and corrosion inhibitors, providing an excellent heat resistant foam blanket.

Principle of Operation

The foam produced by **PROFLON-FP** quickly knocks down important fires, thanks to its great stability and remarkable fluidity, even in contact with metal structure overheated during the fire.

Induction Ratio

PROFLON-FP is available in two standard versions:

- 6 % (6 L foam concentrate + 94 L water = 100 L foam solution)
- 3 % (3 L foam concentrate + 97 L water = 100 L foam solution)

Method of Application

The fluoroprotein foam compound **PROFLON-FP** can be used either in direct application (nozzle or monitor), or in base injection with fixed installation, as well as with any other direct or indirect foam projection equipment.

Field of Application

PROFLON-FP is principally used in:

- refineries and fuel storage tank farms
- petroleum plants
- loading platforms
- boilers and machinery room

General Characteristics

PROFLON-FP is in conformity with all national and international standards and in particular with European standards EN 1568-1 & 3. It can be used with fresh and sea water.

PROFLON-FP properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

Storage

PROFLON-FP has a long shelf life if stored correctly. We advise to store the product sealed in its original container, away from important temperature variations and corrosive atmospheres.



Physico -Chemical Characteristics

foam concentrate	u.m.	3 & 6 %
density @ 20°C	kg/l	1.15 ± 0.02
pH @ 20°C		6 - 8
viscosity @ 20°C	mm ² /s	12
pour point *	°C	- 15
undissolved solids	% V/V	0.2

Typical Foam Properties

The foam properties of **PROFLON FP** vary depending on the performance characteristics of foam equipment used and the operating conditions.

PROFLON FP tested in accordance with the EN 1568:3 gives the following typical properties:

foam solution %	3%	6%
Expansion Ratio	6	6.5
25% drainage time	4'	4'30"

