

PROFLEX

FFFP (Film Forming FluoroProtein based) foam concentrate

For use on Hydrocarbon fires

Low & Medium Expansion

Composition

The FFFP foam concentrate "PROFLEX" is composed of a special mixture of hydrolysed proteins associated with fluorocarbon surfactants, giving the foam the distinguished property of forming a film on hydrocarbon's surface; and at the same time maintaining a high burnback resistance.

Principles of operation

PROFLEX combines the most remarkable qualities of the two types of foam liquids : rapid fire knock down of film-forming types for their easy flow and quick spreading on hydrocarbons, with the security and burnback resistance offluoroprotein types, on important hydrocarbon fires of petroleum industry.

Induction ratio

PROFLEX is available in two versions :

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

Method of application

The foam liquid PROFLEX, owing to its film forming qualities, can be used either in direct application (nozzle or monitor), or in fixed installation in base injection, or in spray application with cooling nozzles and sprinklers.

Field of Application

- PROFLEX is mostly recommended for use in :
- refineries, petroleum tank farms, petroleum plants
 - loading platforms
 - site yards and machinery room

Technical characteristics

PROFLEX is in conformity with all national and international standards and particularly with European standards EN 1568-1 and EN 1568-3.

It can be used with fresh and sea water.

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

According to EN 1568:	PROFLEX 3 3%	PROFLEX 6 6%
• foam concentrate	1.16 ± 0.02 kg/l	1.15 ± 0.02 kg/l
• Specific gravity @ 20° C	6.5 - 7.5	6.5 - 7.5
• pH@20° C	12 ± 5 mm_/s	12 ± 5 mm_/s
• Viscosity @ 20° C	≤ - 15° C	≤ - 15° C
• Pour point *	≤ 0.1 %	≤ 0.1 %
• Undissolved solids		
• foam solution	3 %	6 %
• low expansion	≥ 7	≥ 7
• 25 % drainage time	≥ 2.5 min	≥ 3 min