

## FLUOROSYNTHETIC AR-AFFF FOAM CONCENTRATE 1X3%

### DESCRIPTION

**FILMOPOL 1X3** is a fluorosynthetic foam AR-AFFF 1X3% based on the new generation of C6-fluorosurfactant.

The film-forming property AFFF gives to **FILMOPOL 1X3** a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.

The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.

**FILMOPOL 1X3** is a pseudoplastic: its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.

▲ Foaming ability: **FILMOPOL 1X3** is usable at Low and Medium Expansion.

▲ Fuel fires: **FILMOPOL 1X3** is efficient on hydrocarbon and polar solvents fires.

▲ Environment: **FILMOPOL 1X3** is easily biodegradable.

### PHYSICAL DATA

	FILMOPOL 1X3
Appearance	White gel
Specific gravity at 20°C	1.01 ± 0.02
pH at 20°C	7.0 ± 1.0
Viscosity	pseudoplastic
Sediments	0 %
Surface tension at 1%	16 ± 2 mN/m
Interfacial tension at 1%	2 ± 1 mN/m
Freezing point	0°C
Temperature of use	+2°C / + 50°C

### FOAM QUALITY

Concentration of use at 1%	FILMOPOL 1X3
Low Expansion	> 5*
Drainage time 25%	> 3 minutes
Medium Expansion	> 20*
High Expansion	> 400*

Concentration of use at 3%	FILMOPOL 1x3
Low Expansion	> 9*
Drainage time 25 %	> 10 minutes
Medium Expansion	> 100*
High Expansion	> 500*

\* Foam expansion and drainage values depend on the equipment

### PERFORMANCES & APPLICATIONS

**FILMOPOL 1X3** complies with standards:

- ▲ EN 1568-3 ■ EN 1568-4
- ▲ Oil Industry : Gesip certificate ■ Lastfire certificate

**FILMOPOL 1X3** can be used with tap water, sea water and brackish water at 1% on hydrocarbon and at 3% on polar solvents fires as well as on special chemicals: acids, HF, HCl, amines, Butadiene, CS<sub>2</sub>...

It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

### WARRANTY & SERVICES

**FILMOPOL 1X3** has a 10 years warranty in its original packaging and at storage temperatures -30°C/+60°C.

Our Quality Control Laboratory offers its analytical expertise BIO-LAB.

Safety Data and Environment Data are available upon request: [contact@bio-ex.fr](mailto:contact@bio-ex.fr)