



FLUORO K6 FLUOROPROTEINIC 6% (FP)

FLUORO K 6 is a proteinic-based liquid foaming agent which contains fluoride surfactants and presents high extinguishing capability and resistance to re-ignition.

Given its fluoride content and the resistance to hydrocarbon contamination, the foam spreads easily on the fuel surface under combustion and extinguishes the fire very rapidly.

This marked resistance to hydrocarbon contamination and emulsification make FLUORO K 6 suitable for direct application in the fuel. In the case of hydrocarbon storage tanks is therefore possible to inject foam at the bottom by means of special equipment (“sub-surface system”). For this reason, FLUORO K 6 is mainly used when fire protection of hydrocarbon storage and transportation systems is required, e.g. in refineries, power stations and petroleum harbours.

Other characteristics:

- FLUORO K 6 may be mixed with fresh or salty water; it is non toxic, non corrosive and biodegradable.
- The marked covering and extinguishing properties of this foaming agent assure success in fire suppression.
- The foam produced is particularly resistant and is compatible with fire extinguishing powders.
- FLUORO K 6 is compatible with other proteinic foaming agents with the same class and quality standards.
- The average life of FLUORO K 6 is of several years, provided that the temperature limits recommended for its application are respected.
- Freezing temperature $\leq -13^{\circ}\text{C}$

FLUORO K 6 is RINA and Italian and Uzbekistani Ministries of Internal Affairs approved.

FLUORO K 6 is ABS certified.



Product name	FLUORO K 6
Classification	Fluoroproteinic (FP)
Type	Standard
Appearance	Brown Newtonian Liquid
Concentration (% v/v)	6
Freezing temperature (°C)	≤ -13
Viscosity + 20°C (mm ² /s)	≤ 20
- 10 °C (mm ² /s)	≤ 60
Density at 15°C (g/ml)	1.12 ± 0.02
pH at 20°C	7.0 ± 0.5
Sediments (%)	≤ 0.1
Compatibility with powders	Good
Minimum operating temp. (°C)	- 10
Max. storage temp. (°C)	+45 continuous +60 intermittent

Foaming properties

As for any foaming agent, the foaming properties strongly depend on the efficiency of the equipment installed and the operating conditions.

When tested under the ISO 7203/UNI 9493/EN 1568 specifications, the product shows the following performance:

- Expansion ratio: ≥ 7
- Drainage time of 25% of the product: ≥ 5 min

Storage

Fluoro K 6 is a stable product and, if stored in the original containers, has a shelf-life of (at least) five years.

Environmental compatibility

Fluoro K 6 is biodegradable. The concentrate and its solutions are normally disposed of in a biological treatment plant.

Standard containers and product codes

Container	Basket	Drum	Tank
Nominal capacity (l)	30	220	1050
Size (mm)	375 X 284 X 397 H	581 D X 935 H	1200 X 1000 X 1155 H
Container tare mass (kg)	1.5	8.5	63
Material	High density Polyethylene High molecular weight	High density Polyethylene High molecular weight	High density Polyethylene Galvanised steel
Container approval	UN 3H1/Y1.8/250	UN 1H1/Y1.9/200	UN 31HA1/Y/(1)F
Net weight of the product (kg)	28	230	1100
Fluoro K 6 code number	1807050025	1807050200	1807051000



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