



FLUROSEAL K6 FLUOROPROTEINIC FILM FORMING 6% (FFFP)

FLUROSEAL K is a balanced combination of hydrosoluble proteins and fluoride bases with marked filming properties. This composition makes FLUROSEAL K a product with the properties of a good liquid fluoroproteinic agent (high thermal resistance and very good flame control in the event of re-ignition) and with the specific characters of an AFFF filming liquid (high control and extinguishing capability, and “sealing” of hydrocarbons with high vapor tension).

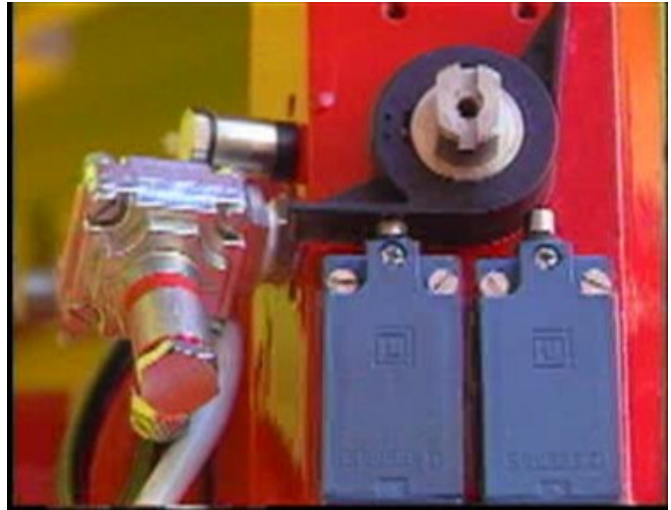
Given its performance, FLUROSEAL K 6 is particularly suitable for the protection of areas with a wide range of fire hazards, from fires due to accidental oil spills to fire events in large storage tanks (e.g. in petroleum terminals, refineries platforms, etc.).

As for all the fluoroproteinic products, FLUROSEAL K 6 may be spread via nozzle, monitor, injection system directly in the fuel and produces a foam with medium and low expansion, which is able to perform a rapid control over the flames.

Other characteristics:

- FLUROSEAL K 6 is biodegradable, non-toxic and non-corrosive.
- FLUROSEAL K 6 has demonstrated strong performance both with sea and fresh water. It may be stored as a mixture and used in combination with extinguishing powder (“Twin Agent” systems).
- FLUROSEAL K 6 is compatible with most liquid fluoroproteinic filming foaming agents, although it is more rapid in the extinguishment of fire.
- Freezing point $\leq -13^{\circ}\text{C}$

FLUROSEAL K 6 is approved by the Uzbekistani Ministry of Internal Affairs.



Product name	FLUROSEAL K 6
Classification	Fluoroproteinic Film Forming (FFFP)
Type	Standard
Appearance	Brown Newtonian Liquid
Concentration (% v/v)	6
Freezing temperature ($^{\circ}\text{C}$)	≤ -13
Viscosity $+ 20^{\circ}\text{C}$ (mm^2/s)	≤ 20
$- 10^{\circ}\text{C}$ (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. ($^{\circ}\text{C}$)	- 10
Max. storage temp. ($^{\circ}\text{C}$)	+ 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: ≥ 3 min

Storage

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

Environmental compatibility

Fluroseal 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
Fluroseal K 6 code number	1807090025	1807090200	1807091000



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