

# AB-10

## ADDITIVE FOR THE RECHARGING OF WATER EXTINGUISHERS

### DESCRIPTION

BoldFoam AB-10 is an additive for the recharge of water extinguishers for fighting class A and class B fires.

BoldFoam AB-10 is based on an aqueous solution containing fluorinated and hydrocarbon surfactants, solvents, additives and flame retardant salts (modified ammonium polyphosphate).

Dilution of the BoldFoam AB-10 product generates a uniform foam with high resistance to high temperatures. The dilution is aqueous filmforming. This film prevents contact of the fuel with oxygen and helps prevent its evaporation. The water contained in the foam produces a cooling effect. The content of fireproofing salts acts to prevent the reignition of the extinguished part in class A fires, sealing the embers.

### APPLICATION

BoldFoam AB-10 is designed to be used in water-based extinguishers to combat Class A (solid) and Class B (hydrocarbon fuels) fires.

### PROPORTIONING

BoldFoam AB-10 is dosed with fresh water, as shown in the table below:

Extinguishing capacity (cc)	AB-10 (cc)	WATER (cc)
6.000	600	5.400

The dosage of the additives for use in fire extinguishers of different capacity is:

BoldFoam AB-10 → 10%

### TYPICAL PHYSICAL PROPERTIES OF CONCENTRATE

	AB-10
Appearance	Green Liquid
Density, g/cm <sup>3</sup>	1,05-1,15
pH	5,5-6,5
Viscosity to 375 s <sup>-1</sup> (Brookfield), mPa.s (20° C)	<30
Freezing Point °C	<-1° C

### PROPERTIES OF FOAM SOLUTIONS

Surface tension, mN/m	16,5±1
Spreading Coefficient -cyclohexane-	>5,0
Draves test	< 30''

### FIRE PERFORMANCE

BoldFoam AB-10 complies with UNE 23110-1 Standard for Portable Fire Extinguishers. The expected efficiencies with the BoldFoam AB-10 additives used in the recommended dose are:

Extinguishing capacity (L.)	B	A
6	233B	21A

These efficiencies can be affected by the type of diffuser and the discharge time of the extinguisher.

### STORAGE AND HANDLING

BoldFoam concentrates should be stored in the original packaging or in other special containers designed for this type of products (stainless steel or epoxy lined tanks).

Place the storage container in an area at temperatures between 0°C to 50°C.

If the product is frozen during storage or transportation, thawing will render the product completely usable. Mixing after freeze thaw cycle is recommended.

The minimum temperature of use of the extinguisher once loaded with the additives BoldFoam AB-10 would be + 5 ° C.

### PACKAGING

BoldFoam products are available in plastic Pail (20, 25 or 60 l), Drum (200 l.), Container (1000 l.) and Bulk..

