Help and Support
+385 1 6553 655
info@vatropromet.hr

Class A, B, C and F firefighting liquid agent and eco-retardant Mar 1

M100

Mar 1 is water additive firefighting agent and eco-retardant, specially designed for A, B, C and F fire classes, mainly for professional use.

When added to water in proper quantities, Mar 1 water additive suppresses, cools, mitigates fire and vapours, and provides insulating properties for fuels exposed to radiant heat or direct flame impingement. Mar 1 water additive reduce water's surface tension and increase its penetrating and spreading abilities, provide enhanced cooling, emulsification, and foaming characteristics.

This creates faster penetration and better fire control when attacking combustible class A, B, C and F fires. Mar 1 cools 21 times faster than water, and works to remove heat and the fuel sources from the fire tetrahedron.

Mar 1 is specially designed to apply on **class A** fires including wood, paper, coal, rubber, **class B** fires including hydrocarbons, petroleum’s – crude oil, gasoline, petrol…, **class C** fires include natural mains gas, liquid petroleum gases – butane and propane…, medical or industrial gases, **class F** fires include high temperature cooking oils used in large industrial catering kitchens, restaurants.

Class F conventional extinguishers agent are not effective for cooking oil fires, as they do not cool sufficiently or may even cause flash back and putting the operator at risk. Mar 1 water additive firefighting agent contain specially formulated chemicals, which, when applied to the burning liquid, cools and emulsifies the oil, extinguish the flame, sealing the surface and prevent re-ignition!

Mar 1 works best in stable fire fighting systems (sprinklers), but can also be used as extremely efficient content for traditional fire extinguishers located in buildings (3 kg, 6 kg, and 9 kg) with Flamark state of the art portable fire extinguisher nozzle!

Mar 1 extinguish fires quickly, eliminates smoke and remains on the extinguished surfaces as a coating which prevents re-ignition.

Mar 1 can be mixed with other fire fighting agents or foam concentrates.

Technical specifications

Classes of fire	A, B, C, F
Operating temperature	-15 °C do 65 °C
Storage temperature	-15 °C do 65 °C
Packaging	20 l canisters, 1.000 l containers

Appearance	Clear light yellow liquid
Freezing point	- 15 °C, without quality loss
pH factor	5,6 (concentrate)
Specific gravity	1.2 at 20 °C
Sediments	None
Dimensions	cca. 29,5 x 26 x 34 cm (L x W x H)
Weight	21 kg (45 lb)
Warranty	5 years