

Alpha R -20 FOAM SOLUTION

Description

Fomtec Alpha R-20 (also called Fomtec AR-10) is a ready-to-use alcohol resistant foam solution. Reliable fire performance is obtained on all kinds of fuels. On polar liquid fires, Fomtec AR-20 forms a polymeric layer which protects the foam against destruction. On non-polar fuels an aqueous film is formed (AFFF-effect).

Fomtec AR-20 has been designed to have a much longer shelf life than normal AFFF premix solutions. It is also an alcohol resistant foam solution that is stable for storage, unlike normal premixes made from ARC foams. It is a freeze protected foam solution, enabling foam systems to operate in areas with temperatures down to -20°C.

Application

Fomtec AR-20 spreads over the surface of a polar liquid and forms a polymeric film which protects the foam from the solvent and allows an insulating foam layer to accumulate. Normal AFFF-AR premixes have a very limited shelf life. Fomtec AR-20 is stable for several years. On spills or large fires of hydrocarbon fires an aqueous film forms on the surface of the fuel. The spreading film rapidly covers the fuel and prevents hydrocarbon evaporation. The foam above the film also provides an excellent burnback resistance.

Fomtec AR-20 is intended for use on class A and B fires. It can be used with both aspirating and non-aspirating discharge devices. It is compatible with all dry chemical powders.

Fomtec AR-20 can be used in:

- Fire extinguishers
- Foams systems

The equipment should be designed to the foam type.

Best fire performance on polar liquid fires is obtained with an expansion ratio between 8 and 150 l/kg.

Environment

Fomtec AR-20 is non-hazardous, biodegradable substance. As for all foams it should be handled according to the local regulations when used.

In comparison to many other foam solutions Fomtec AR-20 is environmental friendly.

Typical Performance

Fomtec AR-20 has been designed to give the best properties of

- Aqueous film forming foam.
- Alcohol resistant foam
- Class A fire extinguishing agent.

Technical data

Appearance	Clear amber Liquid
Specific gravity @ 20.0°C approx.	1,02-1,04 g/ml
pH	6,5-8,5
Freezing point	-24° C
Pour point	-21° C
Spreading coefficient mN/m	>2

Storage/Shelf Life

Stored in original unbroken packaging or correctly filled in appropriate fire extinguisher or foam storage tank the product will have a long shelf life. The recommended storage temperature range of Fomtec AR-20 is from -20°C to 50°C. Shelf life of at least 5 years will be found in temperate climates.

Packaging

We supply Fomtec AR-20 in 25 litre cans, 200 litre drums and 1000 litre containers.