

Features

Fluorine Free Foam
High Performance Multipurpose Alcohol Resistant foam
Approved EN 1568 as Low and High Expansion Foam
Tested by CNPP, T12 high expansion test standard
Suitable for Hydrocarbon & Polar fuels

Description

Fomtec Enviro eMax is a new generation of high performance fluorine free alcohol resistant multipurpose foam concentrate. It is totally free from fluoro surfactants and polymers and consists of a novel blend hydrocarbon surfactants, blended with various solvents, and stabilizers. Fomtec Enviro eMax have been designed to be used as low, medium and high expansion.

Fomtec Enviro eMax should be used at 2-3% proportioning in potable water.

Application

Fomtec Enviro eMax is intended for use on class B hydrocarbon fuels such as oil, diesel, gasoline and aviation fuels, as well as polar fuels like acetone, isopropyl alcohol etc. Fomtec Enviro eMax can be used with all kinds on low, medium and high expansion devices.

Fomtec Enviro eMax is also effective against class A fires such as wood, paper, textiles etc at 0.5-1% proportioning.

Typical applications are high expansion foam systems in warehouses, process areas, aircraft hangars or other applications where three-dimensional fire can occur. Suitable for mobile firefighting by use of low expansion aspirating foam discharge devices such as foam branchpipes and monitors. Or in systems designed for use with the product based on recommended minimum applications rates, application duration and discharge devices.

Fire Performance & Foaming

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Average low expansion 8:1, average ¼ drainage time 9:30 minutes using UNI 86 test nozzle.

Used in Fomtec high expansion generators the below average values can be expected:

Generator	Expansion @ 4 bar
Fomtec Bele L	-
Fomtec Bele S 400	550:1
Fomtec Bele S 800	500:1

Equipment

Fomtec Enviro eMax can easily be proportioned at the correct dilution using conventional proportioning equipment. The equipment should be designed to the foam type. Fomtec Enviro eMax can be used with low, medium and high expansion foam generators.

Compatibility

Fomtec Enviro eMax is compatible potable water. It is compatible with foam compatible dry chemical powders as well as other expanded foam types. For mixability with other foam concentrates, please contact Fomtec.

Typical data

Appearance	Clear yellowish liquid
Specific gravity at 20°C	1,04 +/- 0.01 g/ml
Viscosity at 20°C	≤ 2500 mPas
pH	6,5 – 8,5
Freezing point	-8°C
Recommended storage temperature	-0°C – 55°C
Suspended sediment (v/v)	Less than 0,2%

Environmental

Fomtec Enviro eMax is formulated using raw materials specially selected for their fire performance and their environmental profile. The product is totally free from fluorinated surfactants and polymers and other organohalogens, and therefore it does not contain any PFOS or PFOA. The handling of spills of concentrate or foam solutions should however be undertaken according to local regulations. Normally sewage systems can dispose foam solution based on this type of foam concentrate, but local sewage operators should be consulted. Full details will be found in the Material Safety Datasheet (MSDS).

Storage / Shelf life

Stored in original unbroken packaging the product will have a long shelf life. Shelf life in excess of 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. For storage recommendations and material compatibility please refer to our technical dossier addressing the topic.

Inspection/Testing/ Maintenance

The foam concentrate should be tested annually. The testing should be made by a suitable laboratory for analysis of foam concentrates and should measure: pH, specific gravity, expansion, drainage time. Storage containers should be inspected and reevaluated for the suitability of the storage location in regard to temperature fluctuations (temperature should be as stable as possible). Exposure to direct sunlight should be avoided.

Packaging

We supply this product in 25 litre cans and 200 litre drums. We can also ship in 1000 litre containers or in bulk.

Litres per piece	Packaging	Part no
25 litres	Can	12-3365-01
200 litres	Drum	12-3365-02
1000 litres	Container	12-3365-04
Bulk	Special request	12-3365-xx

International Approvals

- EN 1568 part 2, pass
- EN 1568 part 3 Class 3B potable water
- EN 1568 part 4 Class IB, IPA/Acetone potable water
- CNPP T12