

Description

FOREDE® G 3% High-Expansion Foam Concentrate contains hydrocarbon surfactants, solvents, and stabilizers is formulated for use with medium- and high-expansion foam generators. FOREDE® G 3% High-Expansion foam solution can be used to produce foam with expansion ratios ranging from 50:1 to 1000:1 depending upon the type of generator and its operating pressure. The foam blanket has excellent mobility and stability and utilizes several suppression mechanisms:



- Reduces free air movement required for combustion.
- Cools to a temperature below the combustion or auto ignition temperature and displaces oxygen as liquid drains from the foam and converts to steam.
- The reduced surface tension of the liquid draining from the foam penetrates into Class A materials.
- Insulates and blocks radiant heat feedback.

Application Forede

FOREDE® G 3% High-Expansion Foam Concentrate can be used for total flooding of fires involving class A and class B materials. High expansion type for large areas such as ship cargo or engine rooms. It is especially suitable for dealing with fires in inaccessible locations and where damage must be kept to a minimum.

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 1/2 drainage time 16 minutes using foam nozzle.

Proportioning

FOREDE® G 3% High-Expansion Foam Concentrate can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors
 - Balanced pressure, variable flow proportioning systems
 - Foam Bladder tanks
 - Around the pump proportioning systems
 - Water turbine driven foam proportioners
 - High expansion foam generators
 - Self inducting branch pipes, nozzles and monitors
- The equipment should be designed to the foam type.

Compatibility

Contact one of the Forede sales team with questions.

Technical data

Appearance	Colorless Liquid
pH	8.9~9.0
Expansion Ratio	≥201
50% Drainage Time	18 (1±20%) min
Freezing point	-15°C

Environmental impact

FOREDE® G 3% High-Expansion Foam Concentrate is produced to rigorous quality control standards to ensure consistent fire performance and excellent product reliability. FOREDE® Fire operates a quality management system which complies with the requirement of ISO9001/ ISO14001/ ISO18001.

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. The storage container of the high expansion foam concentrate may be a plastic bucket or an iron bucket or a storage tank with an anticorrosive treatment on the inner wall. The high expansion foam concentrate should be stored in a cool and dry place to prevent exposure. During storage, other types of fire extinguishing agents, acids, alkalis or chemicals must be avoided. We recommend following our guidelines for storage and handling ensuring favourable storage conditions.

Packaging

We supply this product in 25 liter cans, 50 liter drums and 200 liter drums, 1000 liter IBC containers or in bulk available.

- 25L drum, 24 drums/ pallet,
- 480 drums/ 20' FCL, 792 drums/ 40' FCL
- 200L drum, 4 drums/ pallet,
- 80 drums/ 20'FCL, 132 drums/ 40' FCL

Liter Per Piece	Packaging	Approx Shipping Weight
25 Liters	Plastic Can	27 kg
50 Liters	Plastic Drum	55 kg
200 Liters	Plastic Drum	210 kg
1000 Liters	IBC Container	1100 kg

Approvals

CCC & ISO9001