

TECHNICAL DATA SHEET

PROSINTEX Multi-Expansion Synthetic foam concentrate

Standard Synthetic based Foam concentrate
Use on Hydrocarbon & Class "A" fires
Low, Medium & High Expansion

Composition



The foam concentrate **PROSINTEX** is based on a particular formulation of synergetic surfactants and foam stabilisers. It produces highly plastic and remarkably fluid foam able to cover large areas quickly even in the presence of obstacles.

Principle of Operation

The foam produced by **PROSINTEX** in Hi-Ex generators can be used for total flooding of large areas. It is most suitable for protection of hangars, ships' holds and warehouses.

Used with medium expansion generators, it is best for protection of machinery rooms, pump locals, spill fires or diked areas.

PROSINTEX is highly suitable, when used at medium or high expansion, for control or suppression of cryogenic gas (LNG, LPG) vapour release and chemical substances such as ammoniac and hydrochloric acid.

Induction Ratio



PROSINTEX is available in a single version effective on a wide variety of class A and class B (hydrocarbon) fires. It can be used at concentrations from 3 to 6 %.

Method of Application



PROSINTEX can be used with variety of generators:

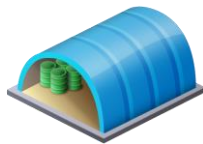
- Low expansion (1 to 20:1)
- Medium expansion (20:1 to 200:1)
- High expansion (200:1 to 1000:1)

Fields of Application

PROSINTEX is designed for protection of:



Hangars, ships' holds, cellars



Chemical products storage warehouses



Galleries and cable trays



Covered Parking



Record locals, Machinery spaces



LNG and LPG plants

General Characteristics

PROSINTEX is in conformity with all national and international standards, and particularly with European standards EN 1568-1, 2 and 3.

PROSINTEX can be used with fresh and sea water.

PROSINTEX properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

Storage and Shelf-life



PROSINTEX has a long shelf life if stored properly in the original unbroken packaging. Its shelf life may exceed 10 years if maintained correctly. As with all foam liquids, storage temperature and conditions are important factors for an optimal shelf life.

If the product is frozen during storage or transport, thawing will render the product completely usable.

PROSINTEX, like other synthetic foam concentrates, is recommended to be stored in stainless steel or plastic containers. Furthermore, since electrochemical corrosion can occur at joints between different metals when they are in contact with the foam liquid, the best is to use the same type of material for tanks, pipelines and fittings used for the storage of the foam concentrate.

We recommend following our guidelines to ensure optimal storage conditions.

Physico-Chemical Characteristics

foam concentrate	u.m.	3 to 6 %
density @ 20°C	kg/l	1.04 ± 0.02
pH @ 20°C		6.5 - 9
viscosity @ 20°C	mm ² /s	≤ 20
pour point *	°C	≤ - 5
undissolved solids	% V/V	≤ 0.2

* The product is also available in low temperature version with pour point of -15°C.

Typical Foam Properties

The foam properties of **PROSINTEX** vary depending on the performance characteristics of foam equipment used and the operating conditions.

PROSINTEX tested in accordance with the EN 1568:1 to 3 gives the following typical properties:

	Foam solution 4%	
	Expansion ratio	25% Drainage Time
Low expansion	≥ 9	≥ 9'
Medium expansion	≥ 120	≥ 8'
High expansion	≥ 700	≥ 7'

* The value of the Expansion Ratio depends on the foam generator used.