

TECHNICAL DATA SHEET

PROSINTEX A Synthetic based foam concentrate

Synthetic Foam for Class "A" fires Low and Medium Expansion

Composition



PROSINTEX A foam concentrate is formulated using synergetic surfactants, wetting agents and foam stabilisers, and is capable of providing important wetting and cooling effects on class A fires (wood, fabric, rubber, etc).

Principle of Operation



PROSINTEX A extinguishes class A fires, also called dry fires, using a three-way action:

- cooling the seat of fire
- smothering the fire by engulfing the area and increasing the water vapour content in the atmosphere
- acting as a wetting agent to aid the penetration of water into the heart of the fire

PROSINTEX A is designed for use at very low concentrations and is therefore very economical. It greatly improves the ability of water to extinguish a fire and can also be used as a wetting agent.

Induction Ratio



PROSINTEX A is used at concentrations ratios varying from 0.1 to 1 %, depending on the type of fire and foam equipment.

- 0.1 % dilution: 0.1 L foam concentrate + 99.9 L water = 100 L foam solution
- 1 % dilution: 1 L foam concentrate + 99 L water = 100 L foam solution

Method of Application



PROSINTEX A can be used with variety of low and medium expansion generators.

Fields of Application

PROSINTEX A is primarily designed for:



Buildings and other Structures



Smouldering fires



Food & clothing warehouses,



Shops, parking garages and industrial warehouses



Small hydrocarbon fire such as automobile fires



Rubber, plastic and tyres



Paper, cardboard, wood, etc



Forest fires

PROSINTEX A is also suitable as a wetting agent.

General Characteristics

PROSINTEX A conforms to all national and international standards and particularly to European standards EN 1568-1, 2 and 3.

PROSINTEX A can be used with fresh and sea water.

PROSINTEX A properties are not impaired in case of freezing. It recovers its initial properties as soon as it is defrosted.

Storage and Shelf-life



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

If the product becomes frozen during storage or transport, gentle thawing will render the product completely usable and without any impairment of its properties.

PROSINTEX A, like other synthetic foam concentrates, is recommended to be stored in stainless steel or plastic containers. Furthermore, since electro-chemical corrosion can occur at joints and unions between different metal types when they are in contact with the foam liquid, it is recommended that any foam concentrate storage systems employ the same materials throughout for tanks, pipelines and fittings.

We recommend following our guidelines to ensure optimal storage conditions.

Physico-Chemical Characteristics

Foam concentrate	u.m.	1 %
density @ 20°C	kg/l	1.03 ± 0.01
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 A** vary depending on the performance characteristics of foaming equipment used and the operating conditions.

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

Foam solution	1%
Expansion ratio	≥ 8
25% drainage time	≥ 7'