

TECHNICAL DATA SHEET

PROSINTEX AR

All Purpose Multi-Expansion Synthetic Fluorine Free Foam liquid (F3-AR)

All-Purpose Multi-Expansion F3 concentrate
Use on Hydrocarbon and Polar Solvents fires
Low, Medium, High Expansion

- ✓ Sans FLUOR
- ✓ Sans PFAs



Composition



PROSINTEX AR foam concentrate utilises a particular formulation of special surfactants and foam stabilisers associated with water soluble polymers, enabling it to produce highly plastic foam that is extremely resistant to the destructive effects of oxygenated substances (alcohols, ketones, ethers, etc.).

Principle of Operation



When used in high-expansion generators, **PROSINTEX AR** foam is capable of quickly flooding large areas and it is therefore particularly recommended for the protection of aircraft hangars and large chemical storage warehouses.

When used with medium expansion generators, **PROSINTEX AR** is highly suitable for the protection of pumping stations or holding and settling tanks.

Induction Ratio



PROSINTEX AR is available in following standard versions:

- 6-6 6 % dilution on hydrocarbon and polar solvent fires
- 3-3 3 % dilution on hydrocarbon and polar solvent fires

- 6 % dilution: 6 L foam concentrate + 94 L water = 100 L foam solution
- 3 % dilution: 3 L foam concentrate + 97 L water = 100 L foam solution

Method of Application



PROSINTEX AR can be used with variety of generators:

- Low expansion (1 à 20)
- Medium expansion (20 à 200)
- High expansion (200 à 1000)

Fields of Application

The versatile alcohol-resistant **PROSINTEX AR** is primarily designed for:



Large capacity warehousing



Chemical product plants



Distilleries

General Characteristics

PROSINTEX AR conforms to all national and international standards and particularly to European standards EN 1568-1, 2, 3 and 4.

PROSINTEX AR can be used with fresh and sea water.

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

Storage and Shelf-life



PROSINTEX AR 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 AR, 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.	3 & 6 %
density @ 20°C	kg/l	1.04±0.02
pH @ 20°C		6.5 - 9
viscosity @ 20°C	cPs	≤ 1000
pour point *	°C	≤ - 5
undissolved solids	% V/V	≤ 0.2

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

Typical Foam Properties

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

PROSINTEX AR tested in accordance with the EN 1568:3 and 4 gives the following typical properties:

Foam solution	3 %	6 %
Expansion Ratio	≥ 8	≥ 8
25% drainage time	≥ 10'	≥ 15'