

TECHNICAL INFORMATION

PROSINTEX-A Synthetic based foam concentrate

For use on Class "A" fires - Low & Medium Expansion

Composition

The foam concentrate **PROSINTEX-A** is based on a particular formulation of synergetic surfactants, wetting agents and foam stabilisers, able to give important wetting and cooling effect to class A (wood, tissue, rubber, etc.) fires.

Principle of Operation

PROSINTEX-A extinguishes class A fires, also called dry fires, by triple action:

- o Cooling the hearth of fire
- o Asphyxiation of fire by engulfing the area and increasing atmosphere's water vapour
- o Wetting force by penetration of water in the heart of the combustible

PROSINTEX-A is very economical, as it is designed for use at very low concentration. It improves considerably water faculty for fire extinction.

Induction Ratio

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

Method of Application

PROSINTEX-A can be used with variety of generators: low expansion (1 to 20:1), medium expansion (20:1 to 200:1) and high expansion (200:1 to 1000:1).

Field of Application

PROSINTEX-A is mainly developed for protection against fire of:

- structures and buildings
- embers fires
- food and clothing warehouses
- shops, parkings and industrial warehouses
- small sized hydrocarbon fires such as car fires
- rubber, plastic, tyres
- paper, carton box, wood, etc.
- forest fires

PROSINTEX-A can also be used as a retardant or as a wetting agent.

General Characteristics

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

PROSINTEX-A can be used with fresh and sea water.

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

Storage

PROSINTEX-A has a long shelf life if stored correctly. We advise to store the product sealed in its original container, away from important temperature variations and corrosive atmospheres.



Physico-Chemical Characteristics

| | | |
|--------------------|--------------------|-------------|
| foam concentrate | u.m. | |
| 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 foam 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' |

