

High Expansion Foams

What are they?

- *High-expansion foam* is an aggregation of bubbles resulting from the mechanical expansion of a foam solution by air or other gases with a foam-to-solution ratio ranging from 200:1 to 1000:1.

Which laws are ruling foam's use?

- **NFPA** (National Fire Protection Association) **11A** is the reference standard for High- and Medium-expansion foams Systems
- Recently a French version of them has been published by the Fédération Française des Sociétés d'Assurances (APSAD) and called: “**Règle APSAD R12**”

When are they used?

- High-Expansion foams can be used practically on every fire source.

How it works

When a foam blanket covers the fire :

- It isolate the fire from Oxygen and therefore extinguishes the fire
- It provides an effective vapour-sealing barrier
- It improves the “wettability” of the water to cover solid structures (re-ignition is prevented!)

Cost of the foam System

I received two offers, in both of them the connection pipes are not included. In the following prices are included: foam generators, bladder and foam concentrates.

1. Chemguard (USA): 116500 CHF
2. Caccialanza (I): 91000 CHF