

# FOAM IS OUR JOB

## Product development

All our products are designed and seen through the maturity phase in our own laboratory by employment of modern technology. By close observation of the market we realise requirements for new or improved products in best time.

In doing so we stay in constant touch with customers, suppliers and research institutes. Our scientists are permanently looking for new resources and process technologies in order to develop new products and improve product quality.

## Our services

- Swift and diligent delivery after order placement
- Comprehensive technical guidance before and after delivery
- On-site support to solve technical problems
- Customer training courses
- Conduction of fire tests, also in accordance with individual specifications
- Design of special fire extinguishing agents to meet particular requirements
- Annual quality check of foam concentrates supplied by us
- Sampling of foam concentrate supplies.
- Provision of the latest technical info sheets
- Information on new products or product improvements.
- 24 hour emergency service including cross-border deliveries.

## INDUCTION RATE






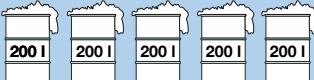
### The induction rate

specifies the percentage ratio of foam concentrate added to water. At 3 % induction rate, for example, 3 parts of foam concentrate are mixed with 97 parts of water.

During fire fighting operation, the foam concentrate is added by means of a proportioner or pump premixer either at the water pump, in the hose line, at the foam generator or at fixed installa-

tions in the central foam station. The induction rate is set at the proportioner or the pump premixer and usually varies (according to the type of foam concentrate, type of fire, flammable material and the application device used) between 1 % and 6 %.

When using a synthetic foam concentrate as wetting agent, up to 1% is added.

3% foam solution		air	type of foam	
	+			
	=			
	+			
30 ml foam concentrate		9 l	=	 <b>Low expansion foam</b> er* = 10
970 ml water		199 l	=	 <b>200 l Medium expansion foam</b> er* = 200
1 l foam solution		999 l	=	 <b>1000 l High expansion foam</b> er* = 1000

\*er = expansion ratio

## LOW EXPANSION FOAM

### Foam expansion

- with up to 8 times expansion is produced from protein foam concentrates, e.g. FLUOR-FOAMOUSSE
- with up to 20 times expansion is produced from synthetic foam concentrates, e.g. MOUSSOL-APS F-15.

### Applications

Low expansion foam is used for extinguishing fires of liquids and solid materials due to its exceptionally good flowability. The foam distributes itself over the entire surface of the fire within a very short time and provides an air-tight seal. When fighting fires of solid materials, its good adhesiveness even on vertical surfaces and bulky incendiary matters has a particularly favourable effect.

## HIGH EXPANSION FOAM

### Foam expansion

with over 200 times expansion is produced, for example, from the synthetic foam concentrate STHAMEX F-15 at a low water/foam concentrate consumption.



## MEDIUM EXPANSION FOAM

### Foam expansion

with up to 200 times expansion is mainly produced from synthetic foam concentrates, e.g. STHAMEX-K 1%.

**24-hour emergency service!**

Our 24-hour emergency service for swift deliveries during major fire incidents is available at any time under the phone number

**+49 (0)40 / 73 61 68-0**



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