



**Dr. STHAMER HAMBURG**



# STHAMEX<sup>®</sup>

*synthetic foam concentrates*



fluorine  
free



DIN EN  
1568

**STHAMEX<sup>®</sup>** comprises a product line of fluorine-free, sustainable multi-range fire extinguishing foam concentrates. They are used with potable or seawater for generating low-, medium- and high-expansion foam. STHAMEX<sup>®</sup> can also be used as wetting agent.

**STHAMEX<sup>®</sup>-Performance 1%** is a high-concentrated multi-range fire extinguishing foam agent based on new generation raw materials. It is extensively type tested and certified acc. to the latest DIN EN 1568:2018 parts 1, 2 and 3 for low-, medium- and high-expansion foam applications with potable water. This product is characterised by excellent sustainability and enhanced burn-back resistance. It is also used with compressed air-foam technology (CAFS) and as wetting agent.

**STHAMEX<sup>®</sup>-class A Classic und STHAMEX<sup>®</sup>-class A** are purpose-designed, high-concentrated fire extinguishing foam concentrates made with selected foam boosting agents especially for solid fuels (class A) as well as use with compressed air-foam technology (CAFS).

[www.sthamer.com](http://www.sthamer.com)



# STHAMEX<sup>®</sup> synthetic foam concentrates

## Characteristics

- fluorine-free and 100 % biodegradable, water hazard class (WGK) 1
- thin liquid, suitable for use with all proportioning devices, very easy to expand
- for low-, medium- and high-expansion foam applications
- certain fire fighting success and excellent cooling properties on non-polar class B fires (up to E10)
- foam blanket resistant to heat radiation, combustion gases and air motion
- can be used for class A fires as expanded foam or wetting agent
- DIN EN 1568 parts 1/2/3 type tested and certified
- manufactured on separate production and filling lines

## STHAMEX<sup>®</sup>-Performance 1%

- high concentrated; proportioning rate from 0.5 % for foam applications
- excellently suited for use with CAFS technology

## STHAMEX<sup>®</sup>-class A Classic und STHAMEX<sup>®</sup>-class A

- especially suitable for fighting class A fires at low proportioning rates
- suitable for non-polar class B fires, e.g. petroleum products
- excellent wetting and cooling properties
- small bubbles and particularly adhesive when used with CAFS

Products	STHAMEX <sup>®</sup> F-15 (F-6/F-20/F-25)	STHAMEX <sup>®</sup> -Performance 1%	STHAMEX <sup>®</sup> -class A Classic	STHAMEX <sup>®</sup> -class A
<b>Induction rate</b>	Low expansion foam 3 % Medium expansion foam 3 % High expansion foam 2 % to 3 % Wetting agent 0.5 % to 1 %	Low expansion foam Class A 0.5 % Low expansion foam Class B 1 % Medium expansion foam 1 % High expansion foam 1 % Wetting agent 0.1 % to 0.5 %	Class A from 0.5 %* Class B from 1.0 %* Wetting agent 0.1 % - 0.3 %	Class A from 0.3 %* Class B from 0.5 %* Wetting agent 0.1 % - 0.3 %
<b>Foam expansion**</b>	Low expansion foam ≤ 20 times Medium expansion foam ≤ 200 times High expansion foam > 200 times	Low expansion foam ≤ 20 times Medium expansion foam ≤ 200 times High expansion foam > 200 times	Low expansion foam ≤ 20 times Medium expansion foam ≤ 200 times	Low expansion foam ≤ 20 times Medium expansion foam ≤ 200 times
<b>Water drainage time** 25 %/50 %</b>	Low expansion foam 15/25 Min. Medium expansion foam 20/30 Min. High expansion foam 15/25 Min.	Low expansion foam 10/15 Min. Medium expansion foam 10/20 Min. High expansion foam 10/15 Min.	Low expansion foam 10/15 Min. Medium expansion foam 10/20 Min.	Low expansion foam 10/15 Min. Medium expansion foam 10/20 Min.
<b>Frost resistance</b>	-15 °C (-6 °C /-20 °C/-25 °C)	-10 °C	-15 °C	-15 °C
<b>Application</b>	Non polar hydrocarbon fires; solid fuel fires, plastics and recycling materials			
<b>Type approval</b>	Officially certified in accordance with DIN EN 1568 part 1, 2, 3 for use as low, medium and high expansion foam for class A + B fires		Officially certified in accordance with DIN EN 1568 part 1, 3 for use as low and medium expansion foam	
<b>Physiological/ecological properties</b>	STHAMEX <sup>®</sup> and STHAMEX <sup>®</sup> -class A are fluorine free, physiologically harmless and easily biodegradable. Further information can be found in the material safety data sheets			

\*for low and medium expansion foam \*\*according to DIN EN 1568 part 1, 2, 3



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