

Dr. **STHAMER**

FOAM FIGHTS FIRE



STHAMEX[®]

Multi-purpose foam concentrates



STHAMEX[®] comprises a product line of fluorine-free, sustainable multi-purpose fire extinguishing foam concentrates. They are used with potable or seawater for low-, medium- and high-expansion foam applications. **STHAMEX**[®] can also be used as wetting agent.

STHAMEX[®]-**Performance 1%** is a high-concentrated multi-purpose 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. Apart from excellent sustainability, this product is characterised by a significantly improved burnback resistance compared with other multi-purpose foams. It is also used with compressed air-foam technology (CAFS) and as wetting agent.

STHAMEX[®]-**class A Classic** und **STHAMEX**[®]-**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).



STHAMEX® Multi-purpose 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
- safe 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 for fluorine-free foam agents

STHAMEX®-Performance 1%

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

STHAMEX®-class A Classic und STHAMEX®-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® F-15 (F-6/F-20/F-25)	STHAMEX®-Performance 1%	STHAMEX®-class A Classic	STHAMEX®-class A
Proportioning rate	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 %
Foam expansion**	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	
Water drainage time** 25 %/50 %	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.	
Frost resistance	-15 °C (-6 °C /-20 °C/-25 °C)	-10 °C	-15 °C	-15 °C
Application	Non polar hydrocarbon fires; solid fuel fires, plastics and recycling materials			
Certification	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	
Physiological/ ecological properties	STHAMEX® and STHAMEX®-class A are produced without added fluoro-organic compounds, are physiologically harmless and fully 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 ***valid for STHAMEX® and STHAMEX®-Performance

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Liebigstraße 5 · 22113 Hamburg/Germany · Phone: +49 (0)40 73 61 68-0 · Fax: +49 (0)40 73 61 68-60 · info@sthamer.com · www.sthamer.com

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