



Dr. STHAMER HAMBURG



STHAMEX®

synthetic foam concentrates

STHAMEX® comprises a product line of synthetic foam fire extinguishing agents for use as low, medium and high expansion foam. Surface active agents, foam stabilisers and antifreeze compounds characterise these efficient, well-proven foam concentrates.

STHAMEX®-K 1% is a highly concentrated synthetic foam compound for 1% induction.

STHAMEX®-class A Classic und **STHAMEX®-class A** are highly concentrated foam extinguishing agents based on specially formulated hydrocarbon surfactants. They are special

designed for class A fires and application with Compressed Air Foam Systems (CAFS).



**DIN EN
1568**

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STHAMEX[®] synthetic foam concentrates

Properties

- expands very readily
- extinguishes safely and covers fires gas tight. The foam is stable against heat radiation, fire fumes and air movement. Thereby, the risk of re-ignition is reduced.
- suitable for use as a wetting agent
- complies with the requirements of DIN EN 1568 parts 1, 2, 3
- can be used as a Low, Medium and High Expansion Foam
- it is fluorine-free, 100% biodegradable.

STHAMEX[®] 1%

- highly concentrated for 1% induction
- suitable for CAFS applications

STHAMEX[®]-class A Classic und STHAMEX[®]-class A

- specially formulated for low induction rates for class A fires
- can be used also on class B fuel fires (e.g. diesel or gasoline)
- excellent wetting and cooling properties
- adhesive foam with small bubbles when used with CAFS

Products	STHAMEX [®] F-15 (F-6/F-20/F-25)	STHAMEX [®] 1%	STHAMEX [®] -class A Classic	STHAMEX [®] -class A
Induction rate	Low expansion foam 3% Medium expansion foam 3% High expansion foam 2% to 3% Wetting agent 0.5% to 1%	Low expansion foam 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 ≤ 20times Medium expansion foam ≤ 200times High expansion foam > 200times	Low expansion foam ≤ 20times Medium expansion foam ≤ 200times High expansion foam > 200times	Low expansion foam ≤ 20times Medium expansion foam ≤ 200times	Low expansion foam ≤ 20times Medium expansion foam ≤ 200times
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.	Low expansion foam 10/15 Min. Medium expansion foam 10/20 Min.
Frost resistance	-15°C (-6°C / -20°C / -25°C)	-15°C	-15°C	-15°C
Application	Non polar hydrocarbon fires; fires of solids, plastics and recycling materials			
Type approval	Officially approved 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 approved 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 fluorine free, physiologically harmless and very readily biodegradable. Please consult the Material Safety Data Sheet for further information.			

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