

STHAMEX F -15 / F -6

Synthetic fire extinguishing foam concentrate

Description

STHAMEX is a fire extinguishing foam based on surfactants. A combination of tensides, stabilisers and antifreezing compounds provides an efficient fire extinguishing agent.

Properties

STHAMEX expands very easily. Depending on the foam concentrate to air ratio a heavy, wet and flowable foam or a dry, very light foam can be generated and applied either as low, medium or high expansion foam.

STHAMEX foam extinguishes safely and forms a gastight cover on combustible surfaces, is resistant to heat radiation, gas and wind, thus considerably reducing the risk of re-ignition.

STHAMEX reduces the surface tension of water considerably and thus is an excellent wetting agent, as well.

STHAMEX meets the requirements of DIN EN 1568.

	STHAMEX F -15	STHAMEX F -6
Recommended induction rate	low expansion foam 3.0 % medium expansion foam 3.0 % high expansion foam 2.0 to 3.0 % wetting agent 0.5 to 1.0 %	3.0 % 3.0 % 2.0 to 3.0 % 0.5 to 1.0 %
Foam expansion	low expansion foam ≤20times medium expansion foam ≥20 to 200times high expansion foam ≥200times	≤20times ≥20 to 200times ≥200times
Water drainage time acc. to DIN EN 1568)	25/50 % water drainage time Low expansion foam ≤15/25 minutes Medium expansion foam ≤20/30 minutes High expansion foam ≤15/25 minutes	≤15/25 minutes ≤20/30 minutes ≤15/25 minutes
Density	1.03 ± 0.02 kg/l	1.01 ± 0.02 kg/l
Frost resistance	-15 °C	-6 °C
	STHAMEX is also available for a frost resistance down to -20 °C and -25 °C.	
pH value	6.5 to 8.5	6.5 to 8.5
Sediment content	None	None
Viscosity	20 °C ≤10 mm ² /s 0 °C ≤20 mm ² /s -15 °C ≤35 mm ² /s	20 °C ≤10 mm ² /s 0 °C ≤15 mm ² /s -6 °C ≤20 mm ² /s
Environmental acceptability	STHAMEX is physiologically harmless and easily biodegradable.	
Special notes	STHAMEX is not detrimental to health, provided it is used for the intended purpose. Fire extinguishing exercises and tests may have to be co-ordinated with the local authorities. When persons are sprayed with foam, please bear in mind that they will not be able. When persons are sprayed with foam, please bear in mind that they will not be able to breathe while covered with foam. For further information users are asked to refer to the safety data sheet.	

Physical properties and technical data

Product information

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Application

STHAMEX is used for generation of low, medium and high expansion foam in all commonly available equipment and systems for fighting fires of class A + B. The induction rate to water is between 2 % and 3 %, depending on the case of application.

When used as wetting agent, e.g. for extinguishing of poorly wettable material like cotton, brown coal, pulverised coal etc. the induction rate is 0.5 % - 1 %.

The use of sea water, brackish water or treated industrial water does not affect the excellent effectiveness of **STHAMEX** .

The low and medium expansion foam generated from **STHAMEX** is used for fire fighting in the open as well as inside buildings and facilities and aboard ships. High expansion foam is used to preventively flood whole rooms or to displace flammable gas/air mixtures escaping from tanks, vaults, pipe trenches etc.

Compatibility with other foaming agents

For immediate usage **STHAMEX** can be mixed with any other equivalent foaming agents, independent of the mixing ratio. When **STHAMEX** is to be added to existing stocks of foaming agents we recommend to have the quality of the existing stock tested by our laboratory in advance.

Compatibility with other fire extinguishing foams

The foam generated from **STHAMEX** is compatible with all other readily expanded fire extinguishing foams.

Compatibility with powder

STHAMEX is designed for the combined use with extinguishing foam compatible powders.

Storage

STHAMEX can be stored for long periods of time in the sealed original containers and in corrosion- resistant plastic or stainless steel tanks. High temperatures up to +50 °C do not affect the quality; neither does temporary freezing at temperatures below the specified frost resistance limit.

Approval

STHAMEX is an officially approved foam fire extinguishing agent for low, medium and high expansion foam applications for class A + B fires.

STHAMEX F-15

Approval No.:
acc.to DIN 14 272: SP 12/2000
acc. to DIN EN 1568 part 1,2,3: SP 13/2000

STHAMEX F-6

Approval No.:
acc. to DIN 14 272: SP 108/94



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