



Dr. STHAMER HAMBURG



STHAMEX[®] -AFFF

aqueous film forming foam concentrate

STHAMEX[®]-AFFF comprises a product line of synthetic, aqueous film forming foam fire extinguishing foam agents. They are especially designed for very quick and effective fire fighting action. On Class B liquid hydrocarbon fires form AFFF foams a self-sealing duplex aqueous film that also extinguishes without foaming. **STHAMEX[®]-AFFF** products are based on surface active agents. Fluorine components and, where applicable anti freeze compounds characterise the composition of this particularly effective fire fighting foam concentrate.



DIN EN
1568

www.sthamer.com



STHAMEX[®]-AFFF aqueous film forming foam concentrate

Properties

- very fast flowing
- oleophobic
- excellent fire performance
- extremely burnback resistant
- resistant against non polar hydrocarbons

Application

- with all usual low and medium expansion foam equipment and fixed foam installations against non polar class B fires.
- widely used in the aviation industry as well as large area fires of petroleum products and plastics.
- also used with non aspirating equipment, e.g. water monitors, branch pipes, sprinkler and deluge systems.

Products	STHAMEX [®] -AFFF 0.5%	STHAMEX [®] -AFFF 1%	STHAMEX [®] -AFFF 3 %	STHAMEX [®] -AFFF 6 %
Induction rate	0.5%	1%	3%	6%
Foam expansion*		Low expansion foam Medium expansion foam	up to 15 times up to 100 times	
Water drainage time* 25% / 50%		Low expansion foam Medium expansion foam	up to 5/8 minutes up to 4/6 minutes	
Frost resistance	-15 °C	0 °C / -15 °C / -20 °C	0 °C / -15 °C / -18 °C	0 °C / -10 °C
Viscosity 20 °C 0 °C		≤ 20 mm ² /s ≤ 40 mm ² /s		≤ 10 mm ² /s ≤ 20 mm ² /s
Lowest use temp.		≤ 120 mm ² /s		≤ 30 mm ² /s
Application	Fires non-polar hydrocarbons and solvents (immiscible with water), solid fires (eg plastic), recycling facilities which have fire water runoff collection capacity.			
Type approval	Officially approved according to DIN EN 1568 for class A + B fires.			
Physiological/ ecological properties	STHAMEX [®] -AFFF products are physiologically harmless and biodegradable. Fluorine components are not entirely biodegradable.			

*according to DIN EN 1568 part 1-4. All foam concentrates comply with European regulation 2006/122/EG



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