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(Please state in case of reply!)

Fire tests with the foam concentrate STAN TRAP - water C. David according to EN 1568-1, -2, -3:2018

Dear Sir or Madam,

Corresponding to your order we have carried out fire tests in accordance with clause 11 of the parts 1, 2 and 3 of the standard EN 1568:2018 with the foam concentrate **STAN TRAP - water C. David** (3% usage concentration) of the manufacturer **ATENTA s.r.o.**

The results of the fire tests according to EN 1568-1 are shown in the following table:

Water type Usage concentration	90 % control time min:s	99 % control time min:s	extinguishing time min:s	Burnback time (1%) min:s	Extinguishing test passed (Yes/ No)
sim. fresh water 3%	0:32	0:47	0:50	> 5 min	Yes
sim. sea water 3%	0:38	1:00	1:09	3:33	Yes
sim. sea water 3%	0:40	1:01	1:11	3:21	Yes

The results of the fire tests according to EN 1568-2 are shown in the following table:

Water type Usage concentration	90 % control time min:s	99 % control time min:s	extinguishing time min:s	Extinguishing test passed (Yes/ No)
sim. fresh water 3%	0:35	1:10	1:39	Yes
sim. sea water 3%	0:42	0:55	1:04	Yes
sim. fresh water 3%	0:35	1:15	1:31	Yes

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The results of the fire tests according to EN 1568-3 are shown in the following table:

Application type	Water type Usage concentration	90 % control time min:s	99 % control time min:s	extinguishing time min:s	Burnback time (25%/100%) min:s	Extinguishing performance class / Burnback resistance level
direct	sim. fresh water 3 %	1:39	1:41	1:42	0:45 / 1:00	I / gentle application required
direct	sim. fresh water 3 %	1:40	1:42	1:44	1:00 / 1:31	I / gentle application required
direct	sim. sea water 3%	1:13	-	-	- / -	gentle application required
gentle	sim. fresh water 3 %	1:07	1:24	-	10:14 / 11:11	I C
gentle	sim. sea water 3 %	1:20	2:30	4:21	11:28 / 12:05	III C
gentle	sim. sea water 3%	1:23	2:41	4:18	11:45 / 12:18	III C

The tests according to clause 11 of the parts 1, 2 and 3 of the standard EN 1568:2018 are partial tests only and are not representative for a complete type testing of the foam concentrate.

Following the positive fire test results, the foam concentrate is currently being tested for full conformity with EN 1568-1, -2 and -3:2018 at MPA Dresden GmbH.

If you have any questions, please don't hesitate to contact us.

Best regards



Grad Eng. Holger Romberg
Laboratory Manager



M.Sc. Christoph Frömter
Test Engineer