

Lastfire Foam Test Results

Manufacturer/Site

Dr STHAMER

Date:

20 June 2012

Foam Concentrate Characteristics

Type: MOUSSOL-APS 1/3	pH at 20°C	S.T. at 3%
Concentration: 1%	S.G. at 20°C	Viscosity
Water type: FRESH	R.I. at 20°C	at 20°
Batch No. Sample for Testing		

Foam Quality

Expansion

25 % Drainage Time

Semi-Aspirated	3.6	
Aspirated	6.8	
System	6.9	

Test Conditions

Ambient Temp: °C

Wind Velocity: m/s

Semi-Aspirated	17.1	-
Aspirated	17.6	-
System	17.5	-

Fuel Type / Tank Temps °C

Type	Fuel	Water/substrate
Heptane	18	18
	27	25
	30	28

Nozzle Calibration

	Source	Specified		Actual	
Semi-Aspirated	Lastfire	19.0	lpm	19.0	lpm
Aspirated	Lastfire	17.0	lpm	17.0	lpm
System	Lastfire	11.7	lpm	11.7	lpm

Fire Performance Data

	Semi-Asp.	Marks	Aspirated	Marks	System	Marks
'Control' Time	7' 30"	2	4' 22"	5	5' 05"	2
Extinguishment Time	7' 40"	55	5' 25"	65	5' 55"	65
Torch Test @ 12min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Torch Test @ 23 min:	NO REIG	7.5	NO REIG	7.5	NO REIG	7.5
Burnback Resistance		5		10		15
Overall Rating		77		95		97
		ACCEPTABLE		GOOD		GOOD

Notes / Comments

Tests undertaken at fire test ground Asturias, Spain (inside)

Test Reference LFRRevB-12-014

Signed:

For Resource Protection International
Lastfire Project Co-ordinator