



FOAM APPLICATIONS CHART

FOAM TYPE BEST USES/ADVANTAGES	STORAGE TANKS			PROCESS AREAS		WARE- HOUSES	LOADING RACKS	AIRCRAFT HANGERS		OFFSHORE RIGS		DIKE PROTECTION		HELI- DECKS	LNG	CLASS A	CRASH RESCUE
	Foam Chambers	Sub- Surface	Monitors	Monitors	Spray Systems	Sprinklers	Sprinklers	Monitors	Deluge	Monitors	Deluge	Foam Makers	Monitors		High-Exp. Genera- tors	Handline	Trucks
1% AFFF Lower shipping & storage costs	6h	6	6h	6h	6h	7h	7h	10	10	10	10	5h	5h	9	0	3	8
1% LT-AFFF As above with freeze protection	5h	3	5h	5h	5h	3h	9h	7	7	8	8	4h	4h	10	0	3	9
3% AFFF Most widely used in industry	7h	7	7h	7h	7h	9h	8h	9	9	9	9	7h	7h	8	0	3	7
3% LT-AFFF As above with freeze protection	6h	3	6h	6h	6h	3h	9h	6	6	7	7	4h	4h	9	0	3	8
6% AFFF Initial cost benefit	3h	2	3h	3h	3h	2h	2h	2	2	2	2	2h	2h	1	0	3	4
3%-6% AR-AFFF Petro-chemical industry standard	9h	9	9h	9h	9h	7h	7h	4	4	4	4	8hp	8hp	1	0	3	1
3%-6% LT-AR-AFFF As above with freeze protection	8hp	8	8hp	8hp	8hp	3hp	8hp	7	7	8	8	9hp	9hp	2	0	3	1
3%-3% AR-AFFF Ultra petro-chemical foam	10hp	10	10hp	10hp	10hp	9hp	10hp	8	8	8	8	10hp	10hp	3	0	3	1
3% PROTEIN FOAM Lower cost, long-lasting foam	3h	3	3h	3h	3h	1h	1h	0	0	0	0	5h	5h	0	0	1	2
6% PROTEIN FOAM Lower cost, long-lasting foam	1h	1	1h	1h	1h	1h	1h	0	0	0	0	3h	3h	0	0	1	2
3% FLUOROPROTEIN FOAM Older tank fire standard foam	8h	8	8h	3h	1h	1h	4h	0	0	0	0	9h	9h	1	0	1	2
6% FLUOROPROTEIN FOAM Initial cost benefit	4h	4	4h	3h	1h	1h	1h	0	0	0	0	4h	4h	0	0	1	2
3% FFFP AFFF/FP compromise	5h	5	5h	4h	4h	1h	4h	0	0	2	2	4h	4h	1	0	1	4
6% FFFP AFFF/FP compromise	3h	3	3h	2h	2h	1h	1h	0	0	2	2	2h	2h	1	0	1	4
3%-6% AR- FFFP AR-AFFF/FP compromise	5hp	5	5hp	5hp	5hp	4hp	4hp	0	0	2	2	5hp	5hp	2	0	1	1
CLASS A FOAM Wild fires and structural fires	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	10	0
HIGH EXPANSION FOAM Full-flood structure and LNG fires	0	0	0	0	0	Hi-Ex Gen	0	0	0	0	0	0	0	0	9	1	0

Foam Applications Legend

10	9	7	6	5	4	3	2	1	0
Best	Excellent	Very Good	Good	Above Average	Average	Below Average	Poor	Very Poor	Don't Use

h = Hydrocarbon Fuels

p = Polar Solvent Type Fuels

NOTE: Various non-UL Listed freeze-protected and custom formulations of foam concentrates are available on request.