

Long-Term Fire Retardant Characteristics and Mix Factors¹

Retardant	Normal Use ²	Mix Ratio	Yield Mixed retardant per ton of wet or dry concentrate	Specific weight of mixed retardant	Viscosity of mixed retardant	Specific gravity of treated retardant	Refractometer reading of mixed retardant
			<i>gallons</i>	<i>lb/gal</i>	<i>centipoise</i>		
<i>Wet Concentrate, Unthickened</i>							
Fire-Trol LCA-R	FW, SEAT, HB	5:1	972	9.12	<50	1.090-1.105	13.0-15.0
Fire-Trol LCA-F	FW, SEAT, HB	5:1	989	9.07	<50	1.090-1.105	13.0-15.0
Fire-Trol LCG-R	FW, SEAT, HB	4.75:1	923	9.13	<50	1.090-1.103	14.0-16.0
Fire-Trol LCG-F	FW, SEAT, HB	4.75:1	933	9.12	<50	1.090-1.103	14.0-16.0
<i>Wet Concentrate, Gum-thickened</i>							
Phos-Chek HV-R	FW, SEAT, HB	3.6:1	860	8.93	1000-1600	1.064-1.076	11.0-13.0
Phos-Chek HV-R	FW, SEAT, HB	3.1:1	775	8.93	1000-1600	1.064-1.076	11.0-13.0
Phos-Chek HV- F	FW, SEAT, HB	3.6:1	860	8.93	1000-1600	1.064-1.076	11.0-13.0
Phos-Chek MV-R	FW, SEAT, HB	3.6:1	860	8.93	450-750	1.064-1.076	11.0-13.0
Phos-Chek MV-F	FW, SEAT, HB	3.7:1	881	8.93	450-750	1.064-1.076	11.0-13.0
Phos-Chek LV-R	FW, SEAT, HB, G	3.6:1	860	8.93	75-225	1.064-1.076	11.0-13.0
Phos-Chek LC-95A	FW, SEAT, HB, G	5.5:1	1054	8.97	75-225	1.075-1.085	12.75-14.5
Phos-Chek LC-95D	FW, SEAT, HB, G	4.25:1	869	9.09	75-225	1.087-1.096	13.75-15.75
<i>Dry Concentrate, Gum-thickened, High Viscosity</i>							
Fire-Trol GTS-R	FW, SEAT, HB	1.66 lb/gal H ₂ O	1325	9.07	1200-1800	1.087-1.107	15.0-18.25
Phos-Chek D75-R	FW, SEAT, HB	1.20 lb/gal H ₂ O	1786	8.91	1000-1600	1.065-1.078	11.25-13.25
Phos-Chek D75- F	FW, SEAT, HB	1.20 lb/gal H ₂ O	1786	8.91	1000-1600	1.065-1.078	11.25-13.25
Fire-Trol 300-F	FW, SEAT, HB	1.77 lb/gal H ₂ O	1250	9.12	1200-1800	1.086-1.106	15.0-18.25
<i>Dry Concentrate, Gum-thickened, Low Viscosity</i>							
Phos-Chek 259-R	FW, SEAT, HF, HB, G	1.14 lb/gal H ₂ O	1869	8.90	75-250	1.063-1.074	12.25-14.5
Phos-Chek 259- F	FW, SEAT, HF, HB, G	1.14 lb/gal H ₂ O	1869	8.90	75-250	1.063-1.074	12.25-14.5
Phos-Chek G75-F	FW, SEAT, HB, G	1.12 lb/gal H ₂ O	1907	8.85	60-250	1.055-1.067	10.25-12.25
Phos-Chek G75-W	HB, G	1.12 lb/gal H ₂ O	1907	8.85	60-250	1.055-1.067	10.25-12.25

1 Consult your agency manuals and guidelines for specific product availability.

2 FW - Fixed-wing airtanker, SEAT – Single Engine Airtanker, HF - Fixed-tank helicopter; HB- Helicopter bucket; G - Ground engine.

