



Long-Term Fire Retardant Characteristics and Mix Factors¹

Retardant ²	Normal Use ²	Mix Ratio	Yield	Specific weight	Viscosity	Specific gravity	Refractometer
			Mixed retardant per ton of wet or dry concentrate	of mixed retardant	of mixed retardant	of treated retardant	reading of mixed retardant
			<i>gallons</i>	<i>lb/gal</i>	<i>centipoise</i>		
<i>Dry Concentrate, Gum-thickened, High Viscosity</i>							
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
<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
<i>Wet Concentrate, Gum-thickened</i>							
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

1. The listed products are qualified and approved for use, only at the specified mix ratio, and only with the indicated application equipment.
2. Consult individual agencies for specific policies relating to long-term retardant use.
3. FW - Fixed-wing airtanker, SEAT – Single Engine Airtanker, HF - Fixed-tank helicopter; HB- Helicopter bucket; G - Ground engine.