

# LONG TERM FIRE RETARDANT CHARACTERISTICS AND MIX FACTORS



RETARDANT	APPROVED APPLICATIONS	MIX RATIO	MIXED RETARDANT PREPARED PER 907.2kg OF WET OR DRY CONCENTRATE	SPECIFIC WEIGHT OF MIXED RETARDANT	VISCOSITY OF MIXED RETARDANT	MARSH FUNNEL FLOW-THROUGH TIME OF MIXED RETARDANT	REFRACTOMETER READING OF MIXED RETARDANT
<i>Product Name</i>	<i>per FS QPL</i>	<i>concentration to water kg per 100lt</i>	<i>litres</i>	<i>g/ml</i>	<i>centipoise</i>	<i>1qrt=946ml seconds</i>	<i>Reichardt scale reading</i>
<b><i>Dry concentrate, Gum-Thickened, High and Medium Viscosity ( use large-tip, 17/64" diameter, Marsh Funnel to determine flow through time.)</i></b>							
Phos-Chek MVP-FX	FW, SEAT, HB, G	11.50	8,362	1.05	401-800	16-22	8.0-9.75
Phos-Chek MVP-F	FW, SEAT, HB, G	11.38	8,419	1.05	401-800	16-22	8.25-10.0
Phos-Chek P100-F	FW, SEAT, HB, G	11.98	8,055	1.05	801-1500	19-30	8.0-9.75
<b><i>Dry concentrate, Gum-Thickened, Low-Viscosity (use small tip 3/16" diameter, Marsh Funnel to determine flow-through time.)</i></b>							
Phos-Chek 259-FX	FW, SEAT, HF, HB, G	12.10	7,968	1.06	101-400	29-44	9.75-11.75
Phos-Chek 259-F	FW, SEAT, HF, HB, G	13.66	7,026	1.07	101-400	39-61	12.25-14.5
<b><i>Wet Concentrate, Gum-Thickened, Low-Viscosity (use small tip, 3/16" diameter, Marsh Funnel to determine flow-through time.)</i></b>							
Phos-Chek LC-95A-R	FW, SEAT, HB, G	5.5: 1 (5.5 parts water to	3,990	1.07	101-400	33-49	12.0-14.5
Phos-Chek LC-95A-FX	FW, SEAT, HB, G	1 part)	3,986	1.08	101-400	32-50	11.5-14.00
Phos-Chek LC-95A-F	FW, SEAT, HB, G	concentrate	3,975	1.08	101-400	32-50	11.5-14.00
Phos-Chek LC-95-W	FW, SEAT, HB, G		3,975	1.08	101-400	34-52	11.75-14.0

FW=Fixed Wing Air Tanker, SEAT=Single Engine Air Tanker, HF=Fixed Tank Helicopter, HB=Helicopter Bucket, G=Ground Applied