

September 15th, 2025

Products Meeting the Canadian Specification for Long-Term Retardants

(Meets Qualifying Performance Requirements for Long-Term Fire Retardants, US Forest Service 5100-304d)

These products are evaluated, qualified, and approved for use only at the specified mix ratio with the indicated application equipment.

Consult individual agencies for specific policies relating to long-term retardant use.

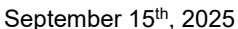
Definition: Retardants contain salts that decrease fire intensity and slow advance of the fire, even after the water they contain evaporates.

Chemical	Mix Ratio	Qualified Applications ¹				
	(Pounds concentrate per gallon water)	Fixed-Wing ³		Helicopter		Ground Applied
		Multi Engine	SEATS	Fixed-Tank	Bucket	
Dry Concentrate - Gum-thickened; Permanent or Temporary Base						
Phos-Chek MVP-Fx	0.96 lb/gal (115.0 g/L)	●	●	-	●	●
Phos-Chek MVP-F	0.95 lb/gal (113.8 g/L)	●	●	-	●	●
Fortress Qela	1.02 lb/gal (122.2 g/L)	○	○	-	○	○
Dry Concentrate - Gum-thickened; Temporary Base						
Phos-Chek 259-Fx	1.01 lb/gal (121.0 g/L)	●	●	●	●	●
Wet Concentrate - Gum-thickened; Permanent or Temporary Base						
Phos-Chek LC-95A-R	5.5:1	●	●	-	●	●
Phos-Chek LC-95A-Fx	5.5:1	●	●	-	●	●
Phos-Chek LC-95A-F	5.5:1	●	●	-	●	●
Phos-Chek LCE20-Fx	5.2:1	●	●	-	●	●
Wet Concentrate - Gum-thickened; Temporary Base						
Phos-Chek LC-95-W	5.5:1	●	●	-	●	●

1 – Qualification Notes

- Fully Qualified – Product complies with all requirements of a formal specification.
- Conditionally Qualified – Product complies with all requirements in the specification for laboratory evaluation; an operational field evaluation is required for full qualification.

Note: Notwithstanding the requirements of Forest Service Specification 5100-304d, the Government reserves the right to suspend or remove product qualification status if operational, safety, quality, airworthiness, or other issues are identified.



Qualified by US Forest Service in Accordance with Forest Service Specification 5100-304d

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Consult individual agencies for specific policies relating to long-term retardant use.

Definition: Retardants contain salts that decrease fire intensity and slow advance of the fire, even after the water they contain evaporates.

Chemical	Mix Ratio	Qualified Applications ¹				
	(Gallons of water per gallon of conc.)	Fixed-Wing		Helicopter		Ground Applied
		Multi Engine	SEATS	Fixed-Tank	Bucket	
Pretreatment, Non Storable ²						
Phos-Chek LC-95-W	5.5:1	-	-	-	-	●
Phos-Chek LC-95A-Fx	5.5:1	-	-	-	-	●
Phos-Chek Fortify	4	-	-	-	-	●
Phos-Chek LCE20W	4	-	-	-	-	●
Komodo	4	-	-	-	-	●
Fortress Qela	1.02 lb/gal (122.2 g/L)	-	-	-	-	●
Flame Security International FIRECOAT DEFEND	1.04 lb/gal	-	-	-	-	●

1 – Qualification Notes

- Fully Qualified – Product complies with all requirements of a formal specification.

2 – Pretreatment category has not been evaluated for durability and weathering.

3 – These products are designed to be delivered pre-mixed and ready-to-use as pretreatment chemicals. No mixing shall take place after purchase.

Note: Notwithstanding the requirements of Forest Service Specification 5100-304d, the Government reserves the right to suspend or remove product qualification status if operational, safety, quality, or other issues are identified.