

Phos-Chek Fortify – Pretreatment

Phos-Chek Fortify is a pretreatment formulation that uses ammonium phosphate salts as the fire-retardant active ingredient. Fortify contains a thickener to provide a low viscosity product, this product category is qualified to be purchased and delivered premixed; the liquid concentrate is not evaluated for long-term stability.

Product Type: Low viscosity, gum-thickened, pretreatment, pre-mixed retardant.

Application: Ground-based fire apparatus.

Use level: These products are pre-mixed and delivered ready-to-use.

Yield: Not applicable.

Viscosity: 150 – 400 centipoise (cP)

Field measurement (Marsh Funnel): **A flow-through time of 32 – 40 seconds using the Low Viscosity Marsh Funnel with 3/16 inch tip indicates an acceptable viscosity.**

Salt content: Field measurement (refractometer): A reading of 11.0 indicates proper salt content. **A reading between 10.0 and 12.0 indicates an acceptable salt content.**

Specific weight: 8.86 lb/gal for mixed retardant; equivalent to a density of 1.062 g/mL. At 70°F, a **density between 1.054 and 1.070 indicates an acceptable salt content.** This is equivalent to **8.80 lb/gal – 8.93 lb/gal.**

The mixed product and liquid concentrate are non-storable.