CLAIMS

1. A blended fluoropolymer dispersion, characterized by:

a polytetrafluoroethylene (PTFE) having a first melt temperature (Tm) of 332° C or less, in the form of a liquid dispersion of particles having a mean particle size of 1.0 microns (pm) or less, said dispersion obtained via emulsion polymerization and without being subjected to agglomeration, thermal degradation, or irradiation, said polytetrafluoroethylene (PTFE) dispersion including less than 1.0 wt.% surfactant, based on the weight of said polytetrafluoroethylene (PTFE) dispersion; and

perfluoroalkoxy (PFA) in the form of a liquid dispersion of particles having a mean particle size of 1.0 microns (pm) or less, said composition having, based on the total solids of said PTFE and PFA, a PFA content of ~~50~~ 37 wt.% to ~~60~~ 65 wt.% and a PTFE content of ~~40~~ 35 wt.% to ~~50~~ 63 wt.%.

2. A method of coating a substrate, characterized by:

applying the blended fluoropolymer composition of claim 1 to the substrate; and heat curing the blended fluoropolymer composition.

3. The method of Claim 2, wherein said blended fluoropolymer composition lacks inorganic fillers.

4. The blended fluoropolymer composition of claim 1, characterized in that said polytetrafluoroethylene (PTFE) dispersion has a mean particle size selected from the group consisting of 0.9 microns (pm) or less, 0.75 microns (pm) or less, 0.5 microns (pm) or less, 0.4 microns (pm) or less, 0.3 microns (pm) or less, and 0.2 microns (pm) or less.

5. The blended fluoropolymer composition of claim 1, characterized in that said polytetrafluoroethylene (PTFE) has a first melt temperature (Tm) selected from the group consisting of 330° C or less, 329° C or less, 328° C or less, 327° C or less, 326° C or less, and 325° C or less.

6. A fluoropolymer powder, obtained from the blended fluoropolymer composition of claim 1.

7. The blended fluoropolymer composition of claim 1, characterized in said composition having, based on the total solids of said PTFE and PFA, a PFA content of 50 wt.% to 60 wt.% and a PTFE content of 40 wt.% to 50 wt.%.