

Specialty and Custom Chemicals Since 1968



E-SPERSE® FT 600

This product is covered by the following patent: US patent 9,309,376

E-Sperse® FT 600 is a new additive for waterborne paints and other coatings that imparts both freeze/thaw stability and open time/wet edge improvement at low levels. Levels as low as 0.5% improve open time by several minutes over unadditized paints. Higher levels (up to a few percent) are needed for freeze/thaw stability, depending on the Tg of the latex and the other surfactants in the formulation.



E-Sperse® FT 600 also acts as a polymeric dispersant which significantly improves the dispersion of organic pigments in the production of water-based packaging inks. Since it improves pigment wetting and reduces viscosity, it allows increased pigment loading levels. Finally, E-Sperse® FT 600 may be used in both resin and non-resin based systems.



APPLICATION DATA

As a freeze thaw additive, basic formulations should start at 2% on weight of the paint formulation. Less may be needed for some paint formulations. For utilization as pigment dispersant, use up to 10% on the weight of the pigment.

TYPICAL PROPERTIES

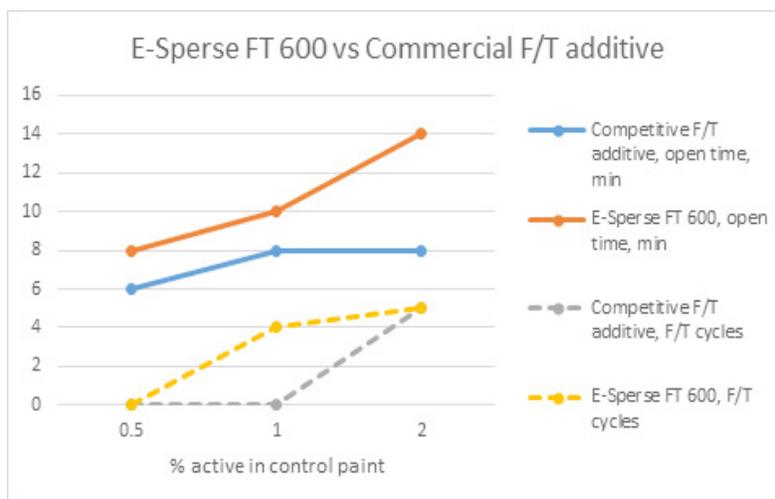
Appearance	Dark Amber Liquid
Ionic Nature	Non-Ionic
Solubility	Clear in Water



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Compared to a competitive F/T additive



When tested against a competitive Freeze/Thaw (F/T) additive, E-Sperse® FT 600 shows an improvement in F/T cycles at 1% conc. and comparable results at 2% conc.

A notable difference is recognized in the open time testing. E-Sperse® FT 600 improves the open time of the paint by 75% when used at 2% conc. versus the competitive F/T additive.

TECHNICAL CONTACT

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The information contained herein is believed to be correct; however, it should not be construed as a guarantee or as a statement of suitability for use in any application. This information should not be considered as a recommendation to violate any patent.



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