



NUMBER 4065-4 (Supersedes 4065-3)

Admiral™ 3089 FS fluidized polymer suspension

Liquid Cellulosic Rheology Modifier for Paper Coatings

Description

Admiral 3089 FS high-solids fluidized polymer suspension is a 25% liquid suspension of a hydroxyethylcellulose (HEC) water-soluble polymer. It is designed to provide both water retention and viscosity control in pigmented and non-pigmented paper coatings. Admiral 3089 FS fluidized polymer suspension thickens readily in hot or cold water without additional pH adjustment.

Key Attributes

- Brightness, by acting as an OBA- (Optical Brightening Agent) carrier
- Coating porosity, which may benefit glueability
- Does not require pH adjustment in order to attain complete effectiveness in paper coatings
- Low viscosity
- Easy handling
- Optimal cost effectiveness
- High pigment-structure-building performance
- Providing the well-established coating runnability performance of cellulosic water-soluble polymers
- Eliminates dusting
- pH stable
- Pourable, pumpable liquid product

Applications and Usage Notes

- **Clay containing coating formulations** – Admiral 3089 FS fluidized polymer suspension is very efficient in clay based coatings, as little as 5 parts of Clay.
- **Board coating formulations-** Admiral 3089 FS fluidized polymer suspension is an ideal candidate for rehology control. It structures the coating pigment while holding water that provides the best runnability. Results are independent of pH.

Usage notes:

As a liquid cellulosic viscosifier, Admiral 3089 FS fluidized polymer suspension can be added to any batch-coating makedown vessel (Kady Mills,⁽¹⁾ Cowles Dissolver,⁽²⁾) through either metering pump, transfer pump, or batch addition. Optimum results are obtained when added as the final ingredient; the vessel should be well agitated for 10-15 min prior to any final-viscosity or coating-quality check. Admiral 3089 FS fluidized polymer suspension also works well in continuous-coating equipment provided a high level of agitation and 10-15 min of residence time exists. Admiral fluidized polymer suspension should be added 10-15 minutes BEFORE OBA/FWA.

⁽¹⁾Trademark of Kinetic Dispersion Corporation for its emulsifying and dispersing equipment.

⁽²⁾Trademark of Morehouse Industries, Inc., for its disperser.

Typical Product Properties

Appearance	tan turbid liquid
Viscosity, Brookfield LV, 60 rpm at 25°C, 8% Dilution	185-275
Active solids, %	25
pH	7.8-8.5
Density, lbs/gal (kg/l)	9.6 (1.15)
Boiling point, ^(a) °C	350
Shelf life, months	6
Storage	Protect from freezing

^(a) Due to the high boiling point of this product, **DO NOT** attempt to check solids in microwave or conventional ovens; damage to this equipment may take place as a result.

Packaging Information

Product	Physical Form	Pkg Type	Net Wgt (lbs)	Net Wgt (kgs)
Admiral™ 3089	Liquid	Drum	500 lbs	226.1 kgs
Admiral 3089	Liquid	IBC	2500 lbs	1133.9 kgs
Admiral 3089	Liquid	Bulk	-	-

Product Safety

Read and understand the Safety Data Sheet (SDS) before using this product.

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