



Flow Agents (Non-Silicone)
Flow Agents (Silicone)
Anti Mar & Slip
Surface Tension Modifiers
Defoamers
Anti-Flood & Anti-Float
Special Chemistry
Miscellaneous
Pigment Dispersion
Stain Vehicles

PRODUCT DATA SHEET

CAFA-450

Chem-A-Flow Additive Carboxyl Polyacrylate

Product #117

Applications

A lower molecular weight, carboxyl polyacrylate additive, **CAFA 450**, is designed to allow for small incremental changes in surface tension. **CAFA 450** reactivity is faster than **CAFA 350** and will react into the resin system given the time and temperature to increase mar resistance. Substrate wetting exhibited by crawling or beading up of the coating requires the use of more powerful surface tension modifiers such as silicone or fluorocarbon surfactants (see **SA#1**, **RAMA**, **HSADA 42**, or **HSADA 44**). **CAFA 450** at high dosage levels helps to eliminate these defects without the potential recoat problems. Because silicone and fluorocarbon surfactants are powerful, their effectiveness can be described as a tight shaped bell curve. Polyacrylate flow modifiers can broaden the curve and allow for better quality control of the coating. Resins include: UV pigment wetting additive, melamine systems with cure temperatures around 350 - 415°F for long dwell times.

Benefits

- Improves Flow and Leveling
- Increased Mar Resistance
- Recoatable - (High-Heat Stable)
- Excellent Pigment Wetting Characteristics
- Excellent Clarity in Non-Pigmented Systems

Recommended Additions

2 lbs. to 6 lbs. per 100 gal. (0.20% to .75% of total weight). Add to letdown under agitation.

Typical Properties

Visc.: 400 - 600 cps
Color: Clear
Solvents: PM Acetate
Wt./Gal.: 8.37 lbs./gal