borchers
A MILLIKEN BRAND

Global Leader in Coating Additives

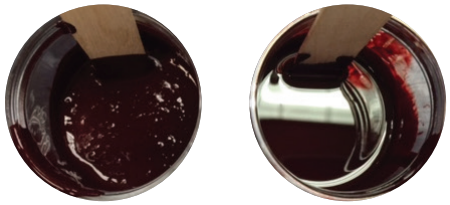
Borchi® Gen 0851

Develop Your Colors to the Fullest in Water-Based Coatings

- Shorter grind times
- Low grind viscosity
- High transparency
- Long term viscosity and color stability

Engineered to maximize the interaction and subsequent wetting of difficult to disperse, high surface area organic pigments

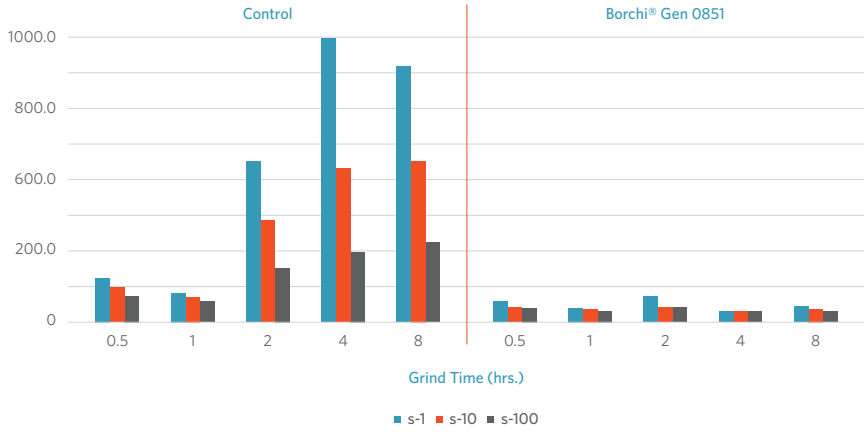
Optimized pigment wetting will produce smaller particle size dispersions with lower viscosity and improved dispersion stability



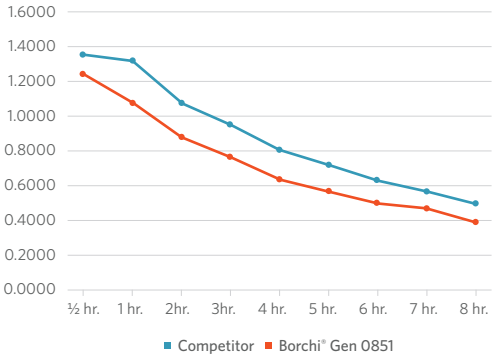
Control Borchi® Gen 0851

30% Pigment Concentrate
Stable Viscosity Indicates a Quality Dispersion

1 Month RT – Viscosity σ (cP)

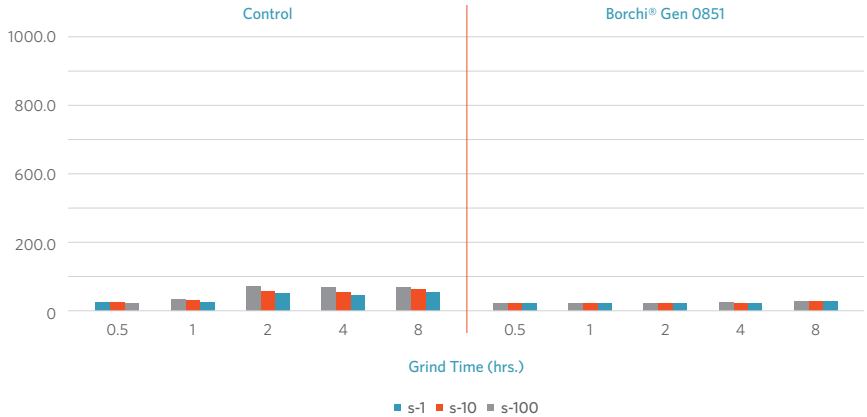


Novel Dispersant Achieves Finer Particle Size Faster with PR 179
Mean Particle Size (µm) vs Grind Time



Particle Size Analyzer HORIBA LA-910

Initial Viscosity σ (cP)



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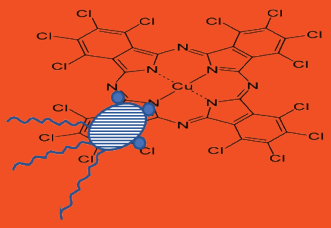
High Jetness in Water-Based Automotive Basecoats

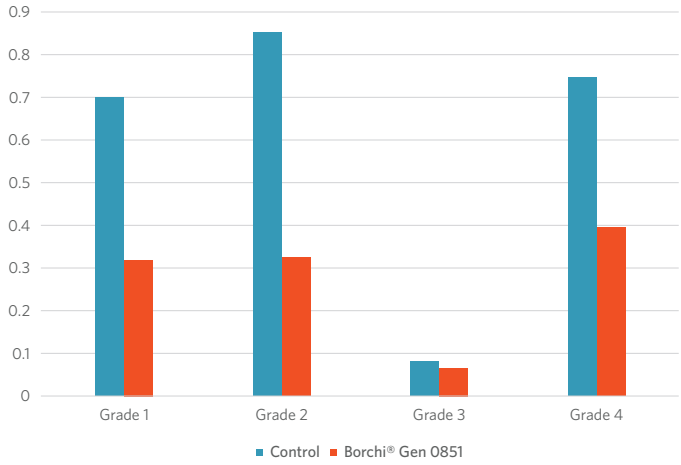
- Shorter grind times
- Low grind viscosity
- High jetness
- Long term viscosity and color stability

3 Wetting Mechanisms:

- Hydrogen Bonding
- Polarized Groups
- Electron rich body attracted to carbon black and organic pigments surface

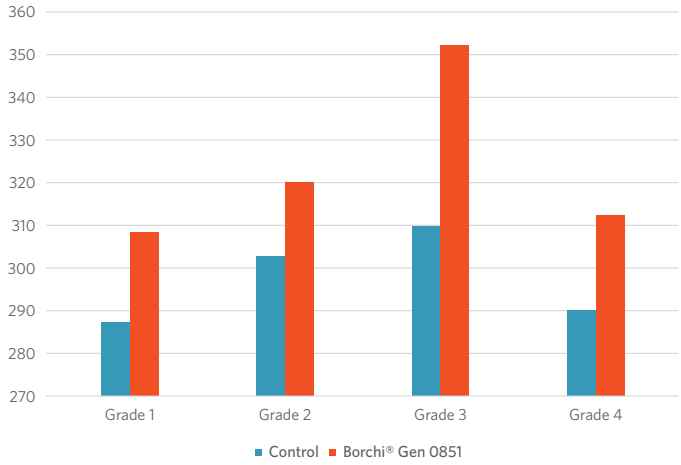


Mean Particle Size (Microns) in 15% Conc



	Grade 1	Grade 2	Grade 3	Grade 4
Control	0.7001	0.8543	0.0871	0.7548
Borchi® Gen 0851	0.321	0.3258	0.0756	0.395

Jetness (Mc) PBk 7 (2K WB) 3% Pigment



	Grade 1	Grade 2	Grade 3	Grade 4
Control	287	303	310	290
Borchi® Gen 0851	309	320	352	313

Order your sample at:

www.borchers.com/contact

BG0851-031424

Milliken™