

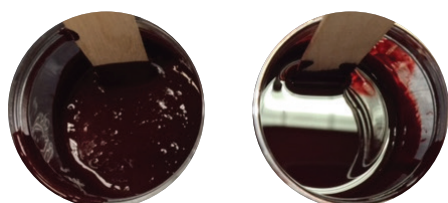
Borchi® Gen 0851

**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

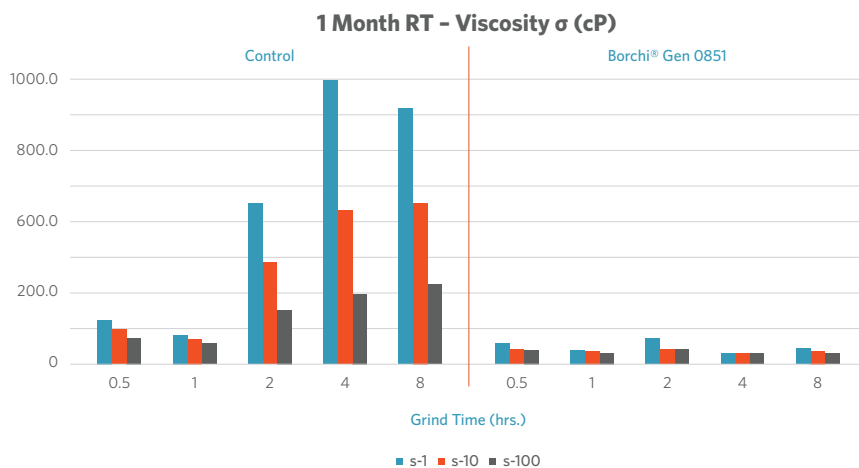
Optimized pigment wetting will produce smaller particle size dispersions with lower viscosity and improved dispersion stability



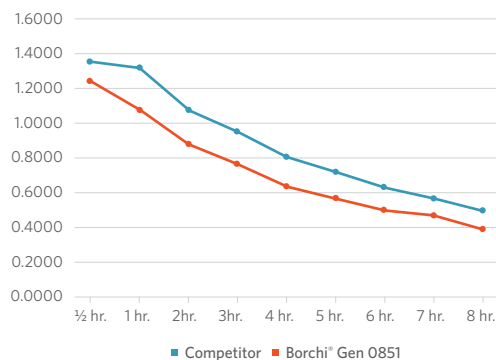
Control

Borchi® Gen 0851

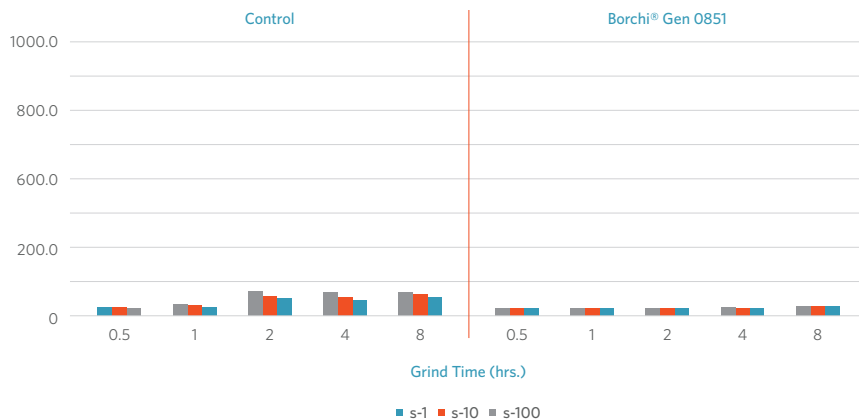
30% Pigment Concentrate
Stable Viscosity Indicates a Quality Dispersion



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



Initial Viscosity σ (cP)



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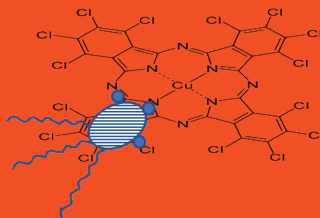
High Jetness in Water-Based Automotive Basecoats



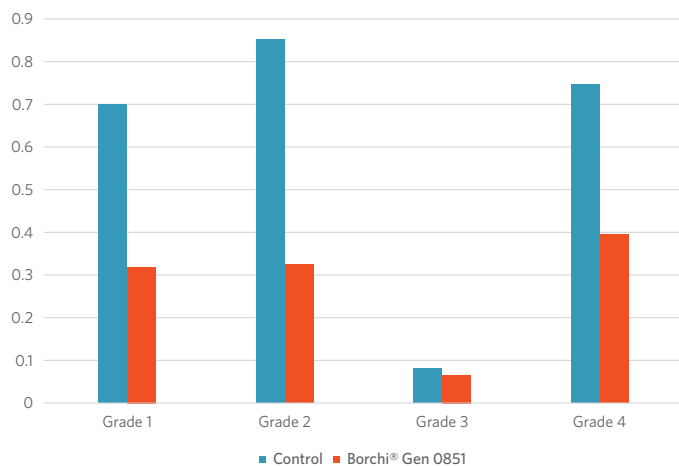
- Shorter grind times
- Low grind viscosity
- High jetness
- Long term viscosity and color stability

3 Wetting Mechanisms:

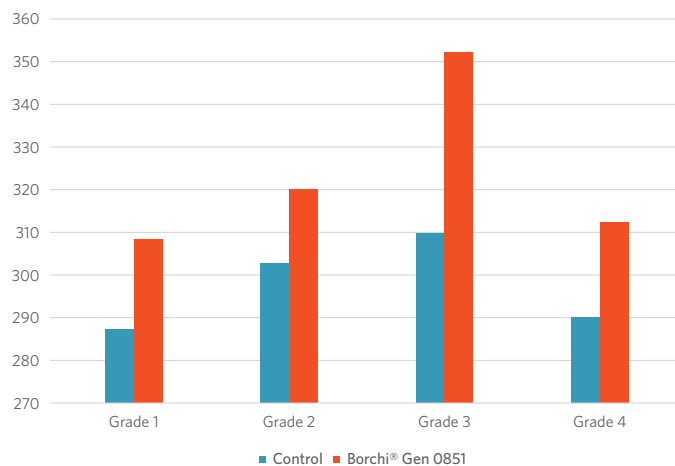
- Hydrogen Bonding
- Polarized Groups
- Electron rich body attracted to carbon black and organic pigments surface



Mean Particle Size (Microns) in 15% Conc



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



	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

	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

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.