

## **2025 Western Coatings Symposium Presentation**

### ***Multi-Functional Dispersing Additive for the Wetting and Stabilization of Pigments***

Wednesday, October 22<sup>nd</sup>, 2025, 3:45-4:15PM

The Paris Hotel | 3655 S Las Vegas Blvd, Las Vegas, NV 89109 | Champagne 1

#### **Abstract:**

Dispersing agents are crucial to the development of color rich coatings. They improve the stability, performance and durability of coatings by preventing particle agglomeration and settling. While needed to wet and stabilize pigments they, at times, can negatively impact corrosion resistance and other performance properties. Selection of dispersant type is especially critical in waterborne systems where corrosion performance in Direct-to-Metal (DTM) applications can be a challenge.

In this presentation we will discuss types of dispersants, advantages of dispersants in coatings and factors affecting dispersant efficiency. We will introduce a study that shows the pigment dispersion properties of acrylic- and alkyd-based, pigmented DTM coatings when formulated with a versatile dispersant technology. Performance as a function of dispersant choice, grind time and overall system compatibility will be presented, as well as a dispersant's impact on color strength and corrosion resistance in final paint performance.

#### **Speaker Bio:**

Stephanie Yates is the Applications Development Manager for Borchers Americas, a subsidiary of Milliken & Company. In this role, she leads the applications development team for the Coating Additives business in the Americas. Stephanie is a graduate of the University of Pittsburgh with a BS in Chemistry and an MBA and has 25 years within the coatings industry. She has led teams supporting innovation and new product growth within multiple market segments.

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