

Title: Solving Syneresis with Unique Low Shear Rheology Modifier Technology

Abstract:

Obtaining the correct low shear viscosity in waterborne coatings is critical for optimized coating performance. Choosing the appropriate low shear thickener can prevent sedimentation of dense pigments. During application, low shear thickeners improve sag resistance and impact the leveling to allow robust film builds. Most importantly, the correct thickener will prevent syneresis caused by colorants or poor paint stability. In this presentation, Borchers will introduce two unique low shear rheological modifier technologies: Borchi® Gel PN & NA. These zirconium complex thickeners provide strong low shear viscosity and prevent syneresis where other thickener chemistries cannot. These easy-to-use, post-addition products allow for easier incorporation and formulation flexibility. This presentation will share results demonstrating the value that can be attained when utilizing Borchi® Gel PN & NA.

Speaker Bio:

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Title: Technical Service Manager, Europe & South Asia

Company: Borchers GmbH (subsidiary of Milliken & Company)

Allison manages the Borchers: A Milliken Brand technical service team in Germany where she focuses on additive, drier, and catalyst solutions for paints and coatings manufacturers. She has been working with Borchers brand coating additives since 2016, previously holding a role as a technical service chemist in the United States. Additional work experience includes technical roles at PPG Industries in waterborne and powder Automotive OEM coatings. She holds a degree in chemistry from the University of Pittsburgh.