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Arkema Inc. to Present Recommended Guidelines for Estimating Color Fade of PVDF-Based Topcoats at SSPC 2017 Conference

Arkema Inc. will present recommended guidelines for estimating the color fade of PVDF-based topcoats for “bright color” architectural restoration and protective coating applications at the SSPC 2017 Conference in Tampa, Florida.

This year's SSPC Conference, which runs from January 30 to February 2, 2017, serves as an international forum at which contractors, consultants, inspectors, engineers, paint/equipment manufacturers and structure/facility owners exchange the latest research and technologies in the coatings industry. The event's GreenCOAT technical program emphasizes innovations, the latest advances in eco-conscious coating technology and developments for complying with green regulations.

Many common topcoat standards used for architectural and protective coating applications include a durability requirement based on the accelerated weathering performance of a white coating. However, there are currently no standards for field-applied coatings that address the needs of specifiers who want to ensure durable color performance in high-chroma (saturated or bright) colors (e.g., Safety Red).

On Thursday, February 2, Dr. Kurt Wood, a principal scientist in Arkema's Fluoropolymers R&D Division, will review data for coatings made using a broad range of pigment chemistries, enabling estimates of color lifetime to be made with a reasonably high degree of confidence for virtually any color, if one stays within the particular resin chemistry space. These principles will be demonstrated with PVDF-based topcoats, where it was found that both the pigment grades and the resin are important factors for determining the color lifetime, along with the pigment volume concentration.

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