

## ABSTRACT

Presentation – ECS 2025

Omya

Speakers: Mr. Christopher Dobbins, Omya International AG, Switzerland

Authors: same persons

Area of focus: product innovation

Title:

### **Maximizing the Durability of SMP Sealants with AddWorks™ IBC 760**

#### Topic brief:

In recent years, the adhesive and sealant sector has seen remarkable advancements through innovative technology based on silane modified polymers (SMP). These materials deliver exceptional performance by merging durability with sustainable characteristics. Their composition helps to set new benchmarks in weathering performance and heat stability for SMP sealants, extending service life by up to 50%, making them increasingly popular in modern building and construction applications.

However, using standard light and heat stabilizers for weathering performance has usually caused unsightly yellowing issues both in-cartridge and temporarily on extrusion, while service life for SMP sealant formulations remained limited. To offer a higher performing alternative to these standard grades, AddWorks IBC 760 was developed.

As reactive sealants are thermosetting systems, recycling these materials can pose a challenge. Improving the durability of such sealants with AddWorks IBC 760 represents a cost-effective and practical way to increase service life.

In addition, Clariant and Omya have taken a holistic approach to review the packaging process of AddWorks IBC 760 and have reduced the amount of paper packaging by over 80% and have increased the transportation efficiency, further improving the sustainability footprint of SMP sealant formulations.

#### Job titles for speakers:

Mr. Christopher Dobbins: Application Manager, Adhesives & Sealants

Mr. Jean-Yves Desrats: Sr. Technical Business Development Manager, Coatings & Adhesives