



# 2024 FlexPack PLACE Conference

April 14-17, 2024 • San Diego, CA • Wyndham San Diego Bayside



## The Power of Partnerships in Sustainable Flexible Packaging

Jeffrey Siegel  
President, Mica  
Corporation

<https://mica-corp.com>



**MICA**<sup>TM</sup>  
CORPORATION



## Solving the Industry's Toughest Adhesion Challenges Since 1971



Water-based primers and coatings for adhesion and beyond.



We are committed to quality and customer service.



We are enabling a sustainable future for packaging with innovation and expertise.



# Sustainability is in our DNA

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## **Our products help our customers:**

- Downgauge materials in a variety of structures.
- Minimize post-consumer waste.
- Improve packaging barrier to reduce food waste.
- Add the functionality needed for mono-material packages.
- Create recyclable, repulpable, and compostable structures.



IMPORTANCE OF COLLABORATION

# Innovating Together for Sustainability

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## **We work with our partners to:**

- Gain adhesion with new compostable & recyclable films and extrusion resins.
- Explore new combinations of materials to replace traditional packaging structures.
- Incorporate various barrier technologies in film, metal, and paper-based structures.
- Develop processing parameters for new technologies.



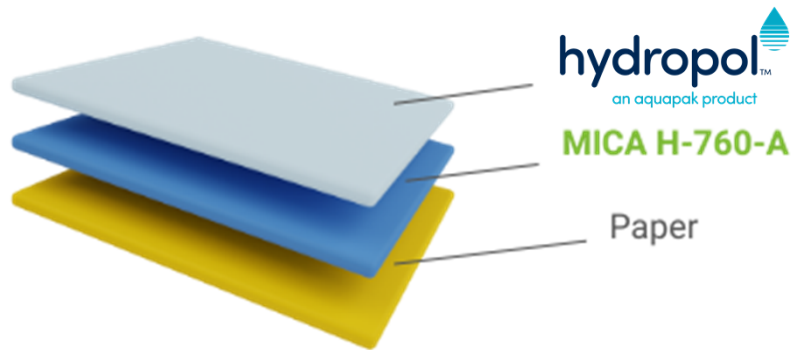
Partnership in Action

**MICA**<sup>™</sup>  
CORPORATION



HOW SOLUTIONS COME TO LIFE

# Adhesion of Hydropol™ to Paper



**Resin:** Extrudable, water-soluble PVOH

**Application:** Compostable & recyclable

High-barrier, paper-based package

**Primer benefit:** Fiber tear bonds and downgauging of materials

**Performance:** OTR barrier performance at 0% and 50%

RH: 0.4 cc/m<sup>2</sup>/day

**MICA**  
CORPORATION

LEARN MORE...



### Session

Extrusion Coating with PVOH to Produce High-Barrier Paper-Based Packaging

Tuesday, April 16<sup>th</sup> | 8:00-10:00 AM

#### KEY LEARNINGS

## Partnership Matters



### Together, we:

- Solved the adhesion issue.
- Determined primers and processing conditions.
- Studied coat weight.
- Presented a proven solution to customers.





## WATER-BASED COATINGS Adhesion with Purpose

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- Water-based barrier coatings for recyclable structures, including oxygen, moisture and oil & grease
- Water-based heat seal coatings to enable recyclability or compostability
- Adhesion and barrier for metallization of traditional & bio-based films and paper

LET'S CREATE A SUSTAINABLE FUTURE FOR PACKAGING  
TOGETHER



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**Visit our tabletop!**

**Thank You!**

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