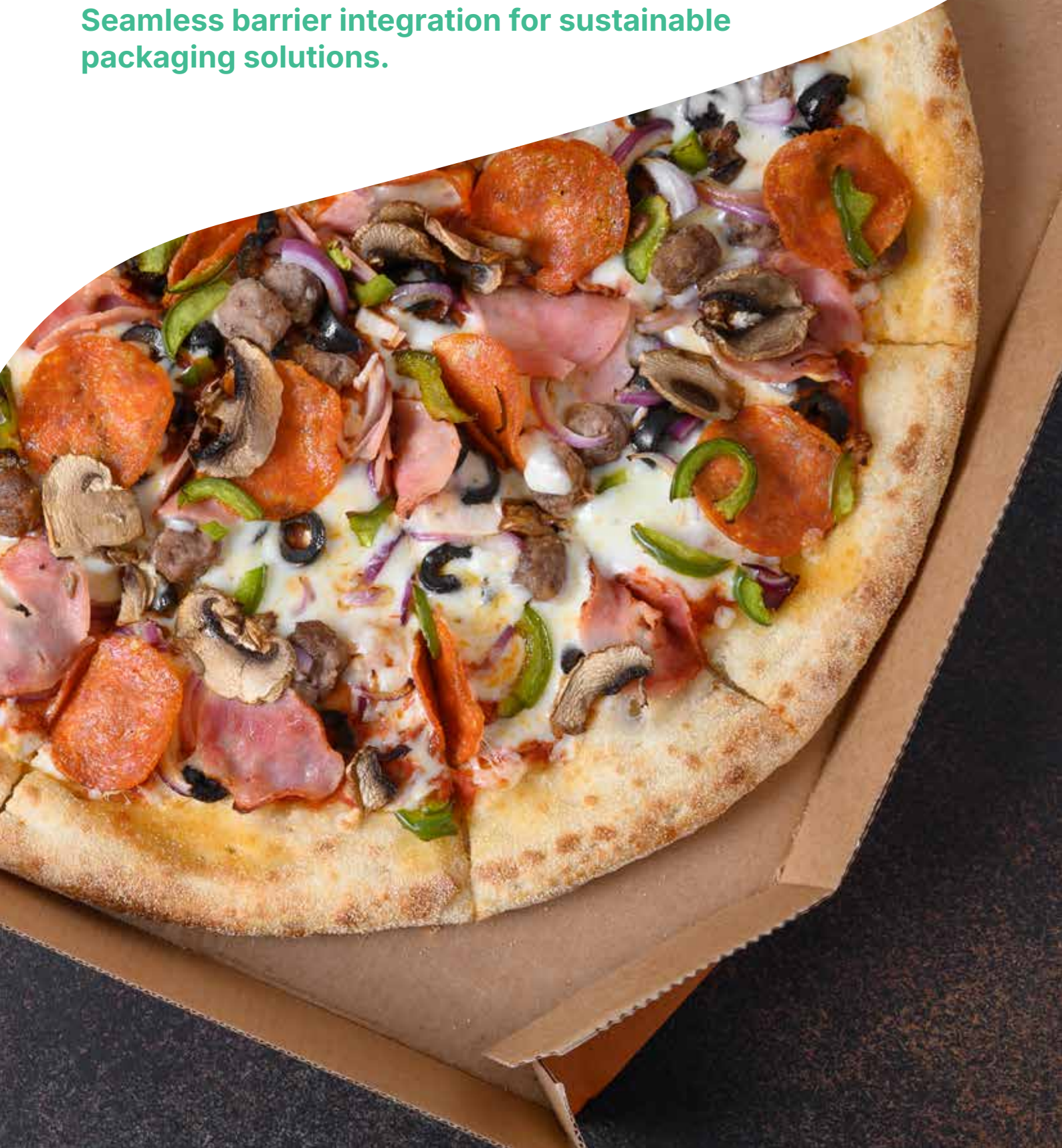




TopScreen™ Flexographic Applied Barrier Coatings

Seamless barrier integration for sustainable
packaging solutions.



Overview

Integrate TopScreen™ flexographic applied barrier coatings into standard flexographic printing equipment to apply barrier properties directly to paper and board.

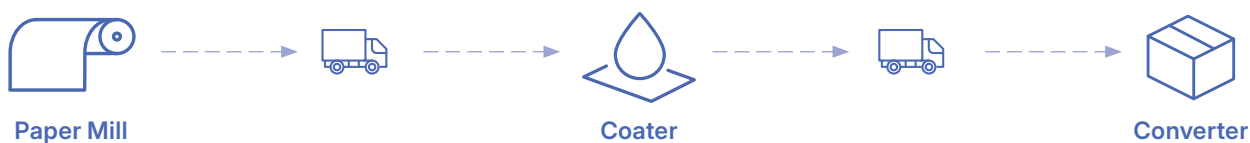
This in-line approach creates a more efficient path to fiber-based packaging that meets performance requirements while supporting sustainability goals.



The Bottleneck

Barrier functionality is often added off-line, requiring uncoated paper and board to be sent from the mill to a coating site before reaching the converter.

Each extra stop creates another hand-off in the supply chain, adding handling, inventory, and freight that increase costs, extend lead times and reduce control.



The Solution

Using existing flexographic equipment for barrier application shortens the mill-coater converter sequence to a streamlined mill-converter process with in-house coating.

This reduces transportation needs, simplifies inventory and minimizes capital expenditure, delivering a cost-efficient, sustainable solution without added process complexity.



Engineered for performance and application flexibility.

Solenis’ range of TopScreen™ flexographic applied barrier coatings give paper and board the functionality needed to meet packaging performance standards:

- Solutions for water repellence, MVTR, oil and grease resistance and anti-slip properties.
 - Water-based coatings can be applied as a flood coat or in-register to specific zones.
- Compatible with a wide range of fiber-based substrates, including cupstock board, flexible packaging, flat sheet paper and corrugated liners.

Product Portfolio and Key Performance Data

Water Repellence

Product Name	Total Coat Weight	Cobb1800 Water	Key Properties and Applications
TopScreen FA 301	<5 gsm, 2 layers	<5 gsm	Provides long-term liquid resistance and excellent droplet roll-off. Delivers reliable film formation.
TopScreen FA 200	<8 gsm	<10 gsm	Suitable replacement of polyethylene (PE) coated board/papers. Provides long-term liquid resistance and excellent droplet roll-off. Delivers reliable film formation. Can be applied in multiple layers.

MVTR

Product Name	Total Coat Weight	MVTR 25°C/50% RH	Key Properties and Applications
TopScreen FA 201 (topcoat)	6-10 gsm	<10 gsm/day	Provides MVTR with heat seal capability. Delivers reliable film formation.
TopScreen FA 200 (precoat)			

Oil and Grease Resistance

Product Name	Total Coat Weight	Cobb1800 Water	Cobb Test Oil: 300s	Kit	Key Properties and Applications
TopScreen FA 100	6-8 gsm, 2 layers	<25 gsm	<5 gsm	8-12	Mid to long-term oil and grease barrier performance where flexibility is not critical to performance (i.e. QSR).
TopScreen FA 100 (topcoat)	6-10 gsm	<15 gsm	<5 gsm	8-12	Suitable for folding box board applications. Achieves mid to long-term oil and grease barrier performance (oil show through >300 h). Delivers very good edge crease and good corner crease performance.
TopScreen FA 101 (precoat)					

Ready to simplify barrier application? Let’s talk.

For more information, visit [solenis.com/flexobarriers](https://www.solenis.com/flexobarriers)



To learn more about how Solenis can help address your toughest challenges and more, please visit [solenis.com](https://www.solenis.com)