

A Case Study
Solutions for Functional Packaging

Epotal® XE 21827

for improved bond strength at faster speeds



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BASF's corrugated adhesion promoter has shown immediate bond development and provides speed advantages on many grades and flute sizes, including difficult to bond substrates.

Features:

- Liquid, viscosity stable, providing a smooth transition and easy clean-up. Compatible with all commonly used adhesive ingredients and many wet-strength resins.
- No hazardous ingredients. Recyclable and repulpable. Well-suited for wax alternative coated liners and mediums. FDA-approved.
- Low addition rates, quick drying time, lower glue loading and reduced delamination and waste.

At BASF, we create chemistry. For more information, contact us at dpsolutions@basf.com.



Case Study

Objectives

1. Improve pin adhesion
2. Reduce delamination
3. Improve productivity

BASF Approach

Epotal XE 21827 applied up to 4% by weight of starch mixture

Results

1. Improved pin adhesion
2. Elimination of waste due to delamination
3. Speed improvement of up to 20%
4. Reduced glue application by 10%

Packaging and Production Details

Packages: Wax alternative coated; single wall; double wall; corrugated board

Fluting: A, C

Box Style: Regular slotted

Package contents: produce and poultry

Box weight: 146-190 lbs/MSF

Fiber Type: Recycled and virgin

Speed: 700-850 ft/min

Corrugated Gluing: 100% pearl starch

Adhesive solids: 28%

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