



Surebond® Carrier Starch 055320



Surebond® Carrier Starch was developed to bond the most difficult paper combinations and to allow rapid bonding. In combination with resins, Surebond® Carrier Starch also imparts excellent waterproofing characteristics to corrugated products.

Surebond® Carrier Starch enjoys success in the field for consistent and stable adhesive viscosity. This product has been formulated with conventional Stein Hall, single tank, and high shear systems, which allows for more corrugating plant flexibility.

Features & Benefits

Rapid bonding

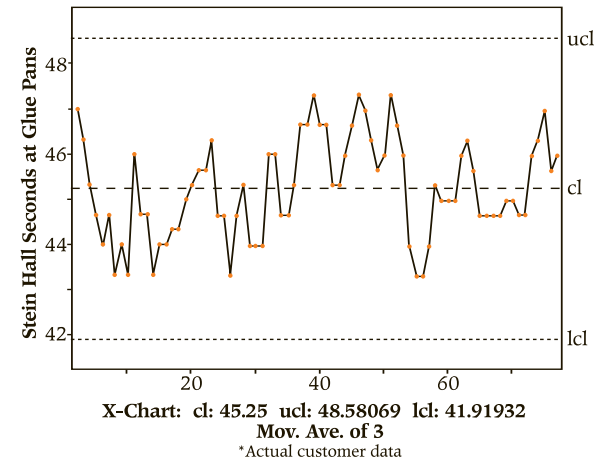
- Increases machine speeds
- Preserves quality
- Reduces lag time from corrugator to finishing

Produced under very stringent and narrow internal manufacturing specifications

- Extremely consistent paste batch-to-batch

Applications

- Heavyweight Paper
- Double and Triple Wall Products
- High Ring Crush
- High Density Paper
- Wax and Resin Impregnated Papers



Customer Feedback

“Higher machine speeds and excellent viscosity and gel temperature stability.”

“Waterproof characteristics and pin adhesions have significantly improved and the product is a natural fit for our Statistical Process Control (SPC) program.”

“Improved green bond, reduced off-grade board, and decreased cure time.”

Case Study: Solving Delamination Problems on Heavyweight Products

The Problem

A large box plant on the West Coast was using an all-pearl formula to produce a variety of corrugated boxes. Delamination, however, was causing high waste. Efforts by the plant personnel failed to identify and resolve the cause of the delamination. A Corn Products U.S. technical service representative was called in to conduct an audit.

The Solution

The results of the audit suggested that the plant change its adhesive formulation. The plant had been using high ring/high density papers to make waterproof, heavyweight and double wall board. Their all-pearl formulation did not provide the solids needed to properly penetrate the specialty papers used by the plant. The technical service representative advised switching to Surebond® Carrier Starch from Corn Products because of the higher solids it contributes to an adhesive formulation.

The Results

As soon as the plant began using Surebond® Carrier Starch in the primary portion, its delamination problems vanished. Not only did the plant reduce its waste, but it also was able to run at higher speeds and still maintain excellent board quality.

As a quality check, the plant went back to an all-pearl formula and delamination problems quickly reappeared. Surebond® Carrier Starch was immediately reintroduced and the problems, once again, disappeared.

Since switching to Surebond® Carrier Starch, the customer's machine speeds are up, board quality is excellent, and the delamination problem is a thing of the past.



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This information is intended as a resource on starch and its relationship to and use in corrugating. The information presented is based upon actual field and laboratory work. However, it should not be viewed as providing advice or solutions to particular applications, each of which will be unique and not susceptible to general advice. We encourage you to call a representative to discuss your specific situation. We will be happy to lend our support.

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Solutions Through Starch