



Fiberbond® Carrier Starch 053110



Fiberbond® Carrier Starch was specially formulated by Corn Products U.S. to help corrugators face today's economic challenges. A revolutionary formula enables Fiberbond® Carrier Starch to provide outstanding bonding characteristics, even under the toughest conditions.

Fiberbond® Carrier Starch contains a specially selected natural fiber which, when the adhesive is formulated, becomes soluble. The soluble fiber imparts gum characteristics to the adhesive which provides elasticity during gelling, improves water-holding capacity, and improves bonding and penetration into specialty coated liners and mediums.

Fiberbond® Carrier Starch reduces worry about viscosity and gel temp levels. Unlike some other carrier starches, it works effectively over a wide range of viscosities. Fiberbond® Carrier Starch also absorbs and buffers caustic allowing greater flexibility in formulation without impacting gel temperature. And because Fiberbond® Carrier Starch is effective at elevated gel temperatures at the doublebacker, the need for dual viscosity systems is eliminated. In addition to improving traditional Stein Hall adhesives, Fiberbond® Carrier Starch is especially suited to improve the performance of high shear adhesive due to its unique chemistry.

Features & Benefits

Improves water-holding capacity

- Provides better penetration
- Increases bond flexibility
- Increases strength at glue line

Improves bonding

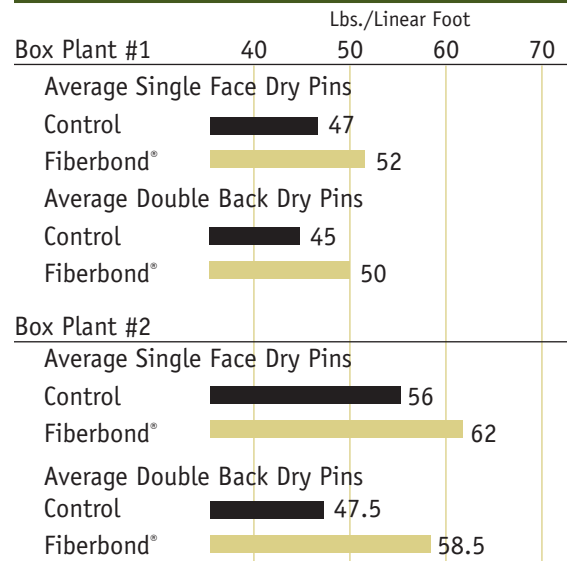
- Substantially reduces fractured liners and cracked scores
- Reduces warp for flatter board
- Increases board strength
- Allows for increased machine speeds
- Tolerates a wide range of viscosities
- Reduces finger cleaning
- Decreases overall plant waste
- Provides a better surface for printing
- Improves penetration into specialty coatings
- Enhances the performance of water-proofing resins on specialty papers

Applications

- Water-Resistant Liners
- Specialty Coated Papers
- Recycled Papers
- Heavyweight Papers
- Liners with variations in weight and/or moisture

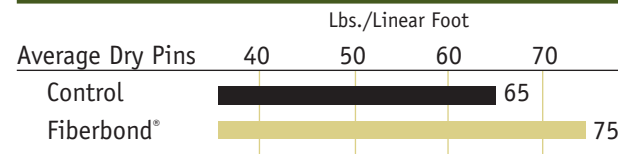
Fiberbond® Carrier Starch stands tough. Test after test.

Pin Adhesion Test

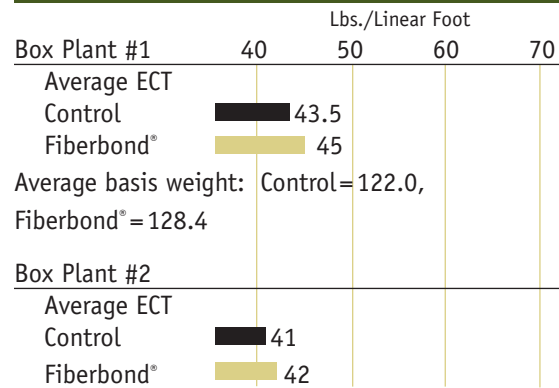


In all field tests, Fiberbond® Carrier Starch has shown substantial gains in pin adhesion on both the singlefacer and doublebacker.

Specially Coated Liners and Medium Adhesives made with waterproofing resin.

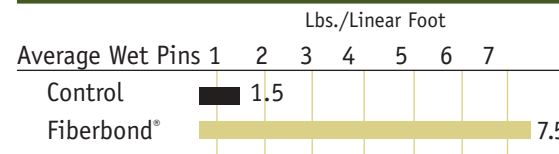


Edge Crush Test



Average basis weight: Control=111.7, Fiberbond®=111.9

Unlike other carrier starches, field tests have demonstrated Fiberbond® Carrier Starch has a positive effect on edge crush strength.



Fiberbond® Carrier Starch has consistently improved dry pin adhesion as well as water resistance of bonds to specially coated papers by allowing adhesive and resin to penetrate into coatings rather than just forming a surface bond.

Fiberbond® is a registered trademark of Corn Products International, Inc. in the United States of America



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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