



Adhesive Technology Alliance

*Combining the products and services
of Corn Products International, Inc.,
and Harper/Love Adhesives Corporation*



Single-source
solutions
for your
adhesive
management
program



Adhesive Technology Alliance

Single-source solutions for your adhesive management program



Corn Products International was formed in 1906. It is one of the largest corn refiners in the world, with more than 40 plants and international operations spanning nearly two dozen countries. The company is positioned as one of the leading corn wet-milling companies in North America. Corn Products International has provided superior industrial starch products to the corrugating industry for more than 95 years.



Harper/Love Adhesives Corporation serves the corrugating industry in the United States, Canada, and Central and South America with technically advanced specialty adhesive products designed to enhance productivity and board quality. The company's technical service organization is the industry's largest. Harper/Love was formed in 1978 in association with N. B. Love Industries of Australia, an international organization that produces and markets a diverse range of starch and adhesive products.



The Corn Products-Harper/Love alliance gives both companies the opportunity to promote and sell the other's product line. This combination enables customers to gain the benefit of single-source access to the most complete line of starches, resins, liquid additives and specialty products in the industry. The synergy of the alliance also allows both companies to leverage the geographic locations of their sales and technical support teams to provide enhanced service to individual box plants.



Making the most of geography

Improved depth and breadth of sales and technical service

Both Harper/Love Adhesives and Corn Products International have long supported the corrugating industry with research, laboratory services, field technical support and responsive sales and distribution organizations. The Adhesive Technology Alliance combines these capabilities to offer expanded technical expertise and quick, flexible response—whatever the corrugating problem, whenever the need arises, wherever your plant is located.

- ★ Harper/Love Adhesives plant
- Harper/Love Adhesives representation
- ★ Corn Products International plants
- Corn Products International representation





Closing the product loop

Together, a comprehensive line of dry and liquid adhesive products

Both Corn Products International and Harper/Love Adhesives offer a range of products designed to deliver starch adhesive performance, enhanced corrugator productivity, and improved board quality. For your reference, our featured products are highlighted below.

Corn Products International dry carrier starches

Stablebond®

- Increases pin adhesion
- Used for high-ring-crush applications, high density papers, recycled porous medium papers, as well as water resistant applications

Fiberbond®

- Improves water holding capacity and bonding
- Used for recycled and heavyweight papers, liners with variations in weight and/or moisture, and water resistant liners

Surebond®

- Provides rapid bonding
- Used for heavyweight papers, double and triple wall products, high-ring-crush applications, high density papers, as well as wax and resin impregnated papers

ABC Carrier™

- Eliminates the need for caustic addition; improves bonding
- Used in water resistant and high-ring-crush applications
- Also used for high density, heavyweight, and recycled papers

Ultrabond™

- Increases pin adhesion, improves bonding
- Used in high-ring-crush applications
- Also used for high density, water resistant, recycled and heavyweight papers

Other Corn Products International products

Corn Products International is also a major supplier of unmodified industrial starch.





Harper/Love Adhesives high-performance liquid products

Aquaseal Plus™

- Drier, firmer, flatter board
- Enhanced downstream efficiency
- High wet strength
- Improved corrugator speeds
- Used for high production wet strength applications

HRC-2000™

- Includes both a penetrating agent and a corrugator performance enhancer to increase speed on difficult to bond substrates
- Used to improve corrugator speeds on high-ring-crush liners

Hydralite 599™ Hydralite 550P™

- Modified polyphenolic resins
- Used for wet strength applications, higher corrugator speeds, improved overall board quality for finishing

LiquiBond™

- Improves corrugator speeds up to 30 percent
- Improves bond quality on all grades of paper
- Reduces warp, waste, delamination and loose edges
- Use for all board grade combinations, heavyweight single wall, double wall, high-ring-crush liners and other difficult to bond substrates

LiquiBond Blue™

- A fourth generation performance product
- Improves bonding and reduces warp while increasing run speeds
- Reduces warp and waste
- Reduces delamination and loose edges
- Used to increase carrier solids in the adhesive
- Applicable for all board grades and paper combinations

Other Harper/Love Adhesives products

- Wet strength resins
- Defoamers
- Dispersants
- Biocides
- Penetrants
- And more



Let's do this together

Collaboration: the key to solutions that make sense for you



Harper/Love Adhesives and Corn Products International share a tradition of service and commitment to the corrugating industry. Together with our customers, we approach both problems and opportunities with the goal of making things work for you—not just in the trial phase, but for the long run.

Through either company, the Adhesive Technology Alliance offers you the efficiency and convenience of a single source for your starch adhesive products, as well as sales and technical support. For more information, contact your Corn Products International or Harper/Love Adhesives representative.



Single-source solutions for your adhesive management program



*Leaders in the science
of making good adhesives better™*

11101 Westlake Drive
Post Office Box 410408
Charlotte, North Carolina 28241-0408
800-438-3066
www.harperlove.com
e-mail: salestech@harperlove.com



Your local resource—Worldwide™

6500 South Archer Avenue
Bedford Park, Illinois
60501-1933
800-443-2746
www.cornproducts.com