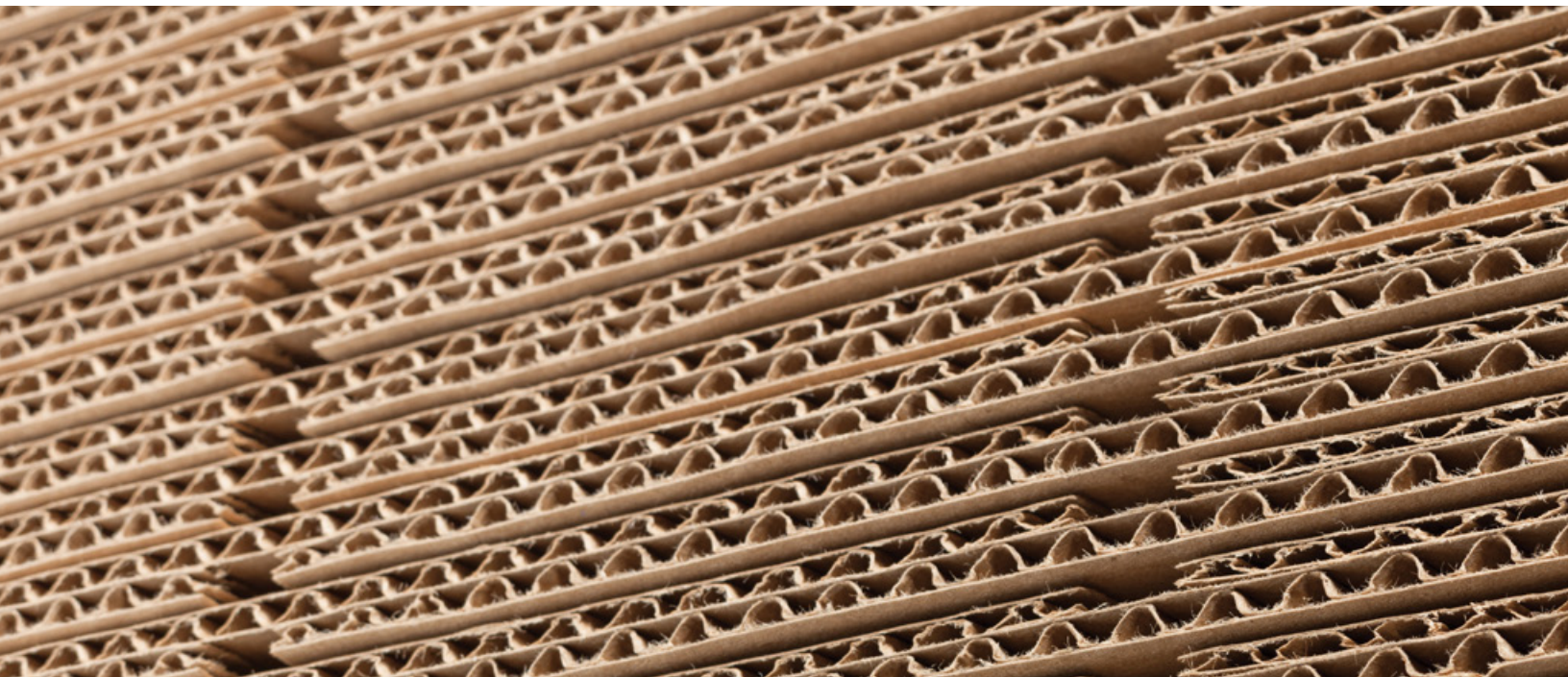


DEFEAT DUST BUILD UP

CORAGUM[®] LB liquid borax



Eliminate dusting and caking with 1 to 1 dry borax alternative

CORAGUM[®] LB liquid borax is an easier-to-use alternative to dry borax. Now you can eliminate the dusting and caking produced by dry borax in high shear mixers – plus reduce labor by not needing to handle dry borax bags. Accurately add liquid borax with standard dosing pumps to maintain adhesive performance. The unique high solids formula lets you add the same amount as 5 mol dry borax and get the tack development your corrugating adhesive needs. Thanks to the adhesive experts from Ingredion, your corrugating future just got a whole lot stronger.

CONVENIENCE & PERFORMANCE™ 

Ingredion
idea labs™ 
IDEAS TO SOLUTIONS

Accurately add adhesives – without the dust associated with dry borax.

Improve convenience and performance with CORAGUM® LB liquid borax, a reliable alternative to dry borax. CORAGUM® LB liquid borax has the same active solids as typical 5 mol dry borax – which means it can replace dry borax pound per pound. Plus, it can be metered into the mixer with standard liquid dosers. Improve your clean-up process by reducing buildup in the borax chute and at the mixers addition point. And eliminate the need to have operators open and dump bags of dry borax into the borax hopper, thereby advancing plant safety by eliminating the dust exposure produced by the addition of dry borax.

REAL-LIFE SUCCESS. CORAGUM® LB LIQUID BORAX

1 challenge

A customer was having significant issues with their high shear mixer. Over several batches, the tare weight would grow to a level where the system reached error and required maintenance. Upon examination, it was identified that the batch size needed to feed the corrugators would leave enough moisture near the borax addition chute that the dry borax would cake in the inlet and around the top of the mixer. This led to additional starch buildup between batches, as well as inconsistent borax addition. An examination of the mixer design concluded that simple adjustments could not correct this issue, short of a complete rebuild or a larger mixer.

2 solution

Ingredion assisted the customer with recommendations to add a liquid addition port to the mixer. CORAGUM® LB liquid borax was then provided in liquid totes as a replacement to dry borax. Significant changes to the batch formulation were not needed.

3 results

The addition of CORAGUM® LB liquid borax provided superior control and precision. As a stable solution, there was no buildup in the mixer regardless of batch size. The customer was able to meet the adhesive demands of their corrugator, without the need for any major re-engineering work. As an added benefit, operator time on the mixer was reduced, as operators were not required to daily open and add bags of dry borax to the hopper. Operators commented that they were thankful not to be exposed to the irritating dust when opening bags. Overall the operation experienced improved efficiency from the change.

CORAGUM® LB liquid borax

Features and benefits for high shear mixers

Time and labor savings

- No more dumping bags of dry borax
- No caking and buildup of borax when exposed to moisture
- Available in liquid totes

Safety

- No more lifting of heavy bags
- No active chemical dust from handling

Formulation accuracy

- Controlled, precise liquid addition
- No concerns with plugging of chutes or restricted addition

Compatibilities

- Adhesive ingredients
- Performance additives
- Waterproof resins
- All grades of paper and boards



Ingredion™

Innovate with CONVENIENCE & PERFORMANCE

Request a sample or talk with us about your next adhesive project

1-800-713-0808 | ingredion.us/corrugating

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