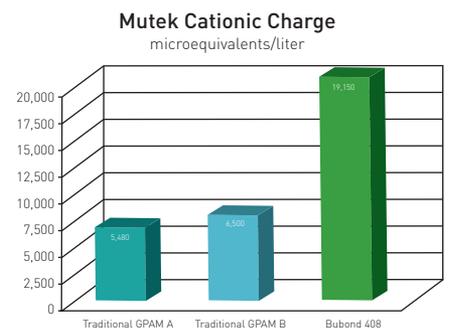


Get more charge out of your dry strength.

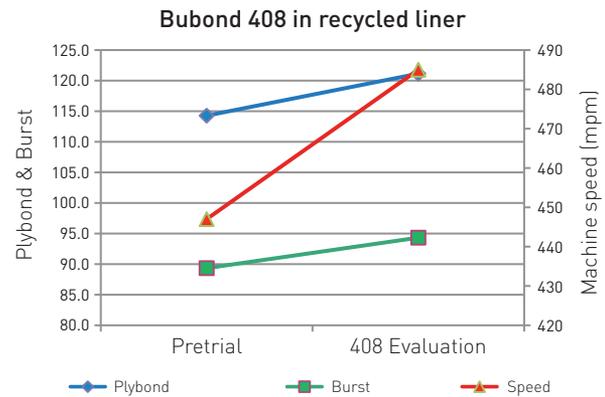
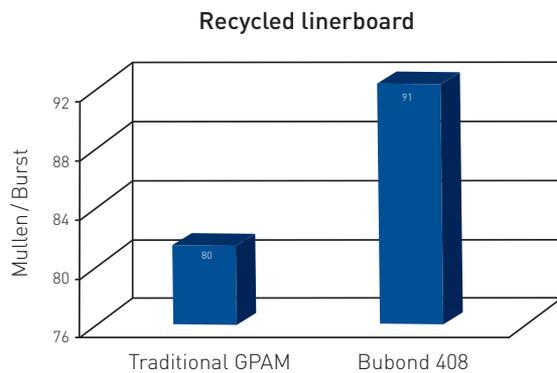


Improve efficiency in your recycled systems with Bubond® 408.

Buckman introduces the new proprietary Bubond 408 dry strength chemistry that works more efficiently than traditional GPAM resins. Due to its higher cationic charge, it is more effective in recycled systems with high conductivity and high dissolved solids. Use of Bubond 408 can decrease energy costs, increase machine speed, as well as improve drainage and dry strength. The higher solids content of Bubond 408 reduces shipping, handling, and storage costs. Shelf life is comparable to a lower solids product. Bubond 408 is allowed for use in the manufacture of paper or paperboard for food contact under Food Contact Notification (FCN) 871 of the U.S. Food and Drug Administration. Like 21 CFR § 176.170 and 176.180, the FCN allows all persons who purchase this product from Buckman to legally use this product in the production of paper and paperboard that may come into contact with food.



Bubond[®] 408 case studies



A current Buckman customer manufacturing 45 tons/hour Linerboard from 100% recycled fiber used Bubond 376, a traditional GPAM product. On certain liner grades, they were not able to meet the mullen/burst specification. In this case, we simply replaced Bubond 376 with Bubond 408 at an equal dosage rate—1.3 dry kg/ton to the machine chest suction for each ply. We immediately saw a 13% increase in mullen/burst value from 80 to 91 psig. In addition, the higher cationic charge associated with Bubond 408 improved water removal rates in both the forming and press sections, resulting in an increased production rate of 3%. The customer converted to Bubond 408.

A mill manufactures 24 tons/hour linerboard using 100% recycled fiber. The incumbent dry strength program was a polyvinyl amine chemistry. On high performance grades, the customer was not able to maintain plybond and mullen/burst within specification without reducing the production rate. Buckman replaced the incumbent program with Bubond 408 at equal cost. During the evaluation, we realized a 5.9% increase in plybond and a 5.6% increase in mullen/burst test. In addition, improved water removal resulted in an increase in production rate of 8.5%.

This is not an offer for sale. The product shown in this literature may not be available for sale and/or available in all geographies where Buckman is represented. The claims made may not have been approved for use in all countries. Buckman assumes no obligation or liability for the information. Please contact your Buckman sales representative for more information.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. A876H (07/16)

Argentina +54 11 4701-6415; Australia +61 (2) 6923 5888; Belgium +32 9 257 92 11; Brasil +55 (19) 3864-5000; Canada +1 (877) 282-5626; Chile +56-2) 2944-1000; China +86-21) 6921-0188
 India +91) 44-2648 0220; Indonesia +62) 21-2988 8288; Korea +(82) 31-416 8991; Mexico +52 (777) 329 3740; Singapore +(65) 6891 9200; South Africa +27 (31) 736 8800; United States +1 (901) 278-0330

Global Headquarters at 1256 N. McLean Blvd., Memphis, TN 38108, USA