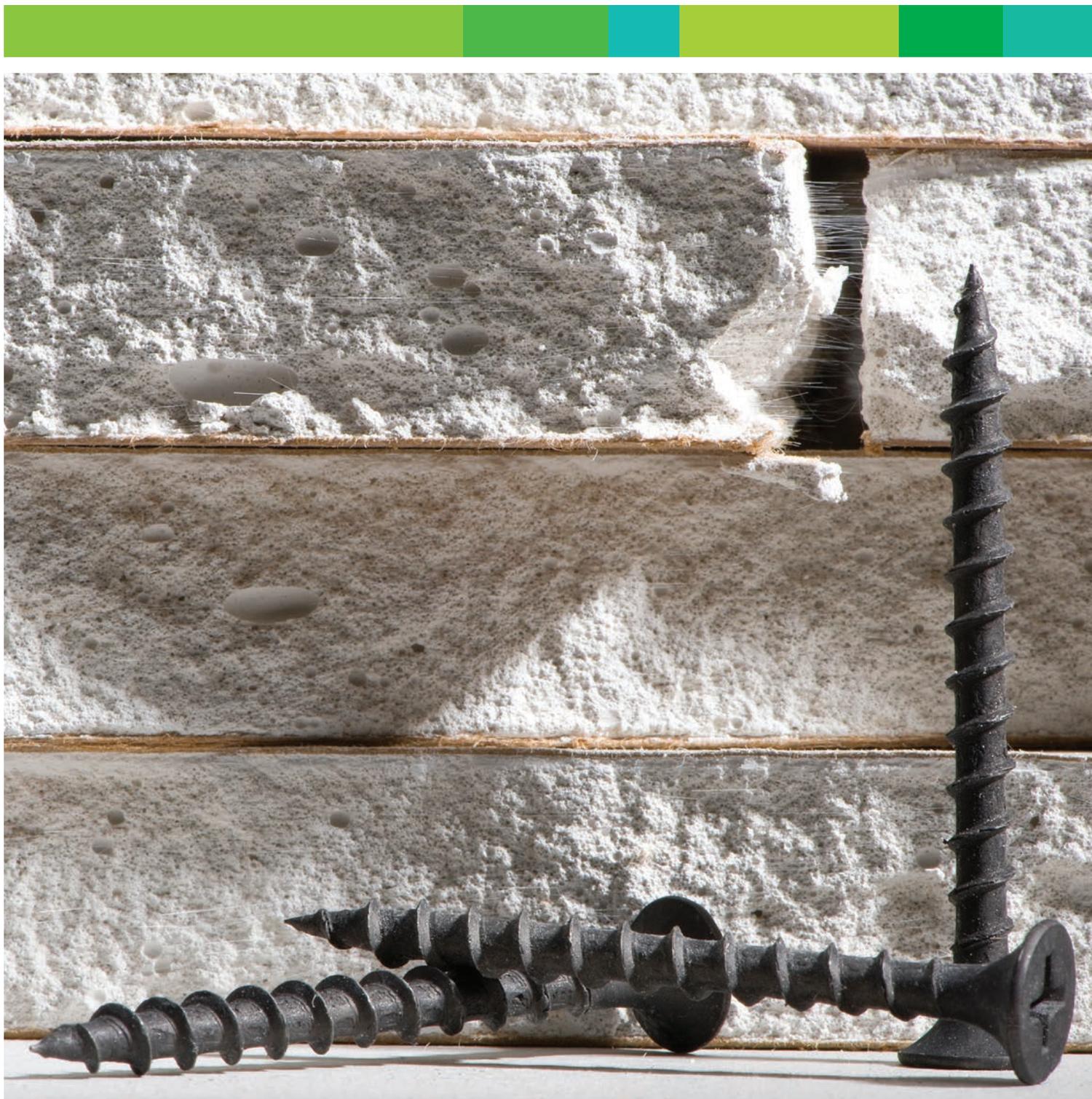


# Gypsum



# Get rock-solid support for your wet end operation.



**Serving the Gypsum industry has its rewards. And its awards.**

*At Buckman, we strive to be the best in the world. And we are pleased that our commitment continually benefits some of the world's finest gypsum companies. In fact, we have been recognized twice as "Supplier of the Year" within the gypsum industry.*

**Optimize your gypsum board liners with Buckman's complete Wet End Management System.**

**To make the best wallboard, you have to tear down a few walls.**

The ones that stand between you and cost-effectiveness. The ones that stand between you and quality. Buckman can help. We have developed a comprehensive, award-winning, wet end management system that combines the best of people and chemistry to ensure a profitable and smooth-running operation.

With Buckman you get on-site technical know-how from our experienced technical representatives. And you get innovative chemical and equipment solutions designed to knock out everything from cockles to deposit build-up, stickies to mold and mildew. In short, you get rock-solid results.

## Comprehensive programs customized for your specific applications.

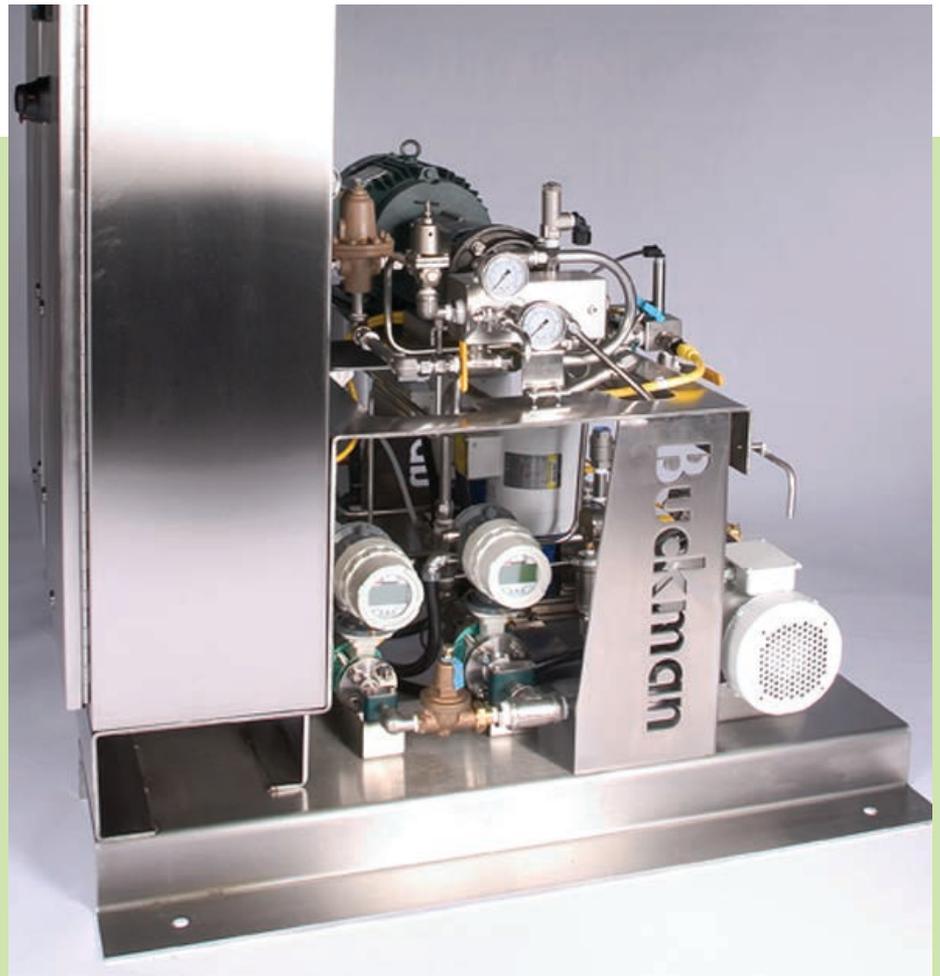
**Buckman's Wet End Management System** includes some of the industry's most effective solutions for creating high performance liners, which in turn assures you of a quality gypsum board.

### **Medallion Sizing—our equipment makes the difference**

With Medallion, high quality chemistry is fed through customized emulsifiers that provide a consistently smaller particle size and a more effective emulsion. This results in greater quality and better cost-efficiency.

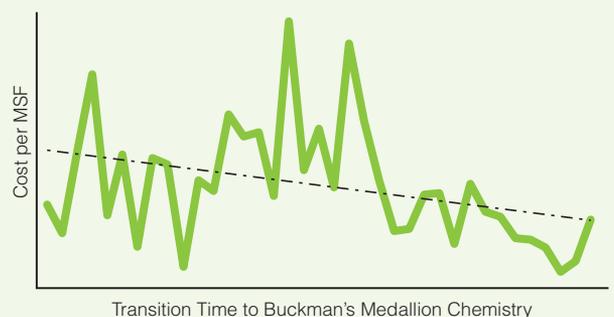
With Medallion you can expect:

- Rapid on-machine cure for better size press operation
- Minimized size reversion
- Improved gypsum slurry drying rates
- Effective control of cockles caused by uneven wetting
- Outstanding water repellency for exterior and humid environments
- A stronger bond between the wet gypsum core and the paper



### **Case history**

This chart shows how sizing costs for one mill went down dramatically as the Medallion system was phased in. In fact, this Buckman client is now realizing an annual return on investment of \$325,000.



## Buckman dry strength resins — a stronger liner and a stronger bottom line

Buckman dry strength resins are designed to not only improve liner strength but also cost efficiency. Bubond® 408, for example, with its higher cationic charge, sets the standard for strength and drainage in gypsum wallboard. Bubond 408 offers:

- Higher solids-to-weight ratio than traditional GPAMs
- Reduced cost and trouble for freight, logistics, storage, and handling
- Long shelf-life, comparable with lower solids products
- U.S. FDA approval for use in food contact grades under 21 CFR §176.170 and 176.180
- Better effectiveness in recycled systems

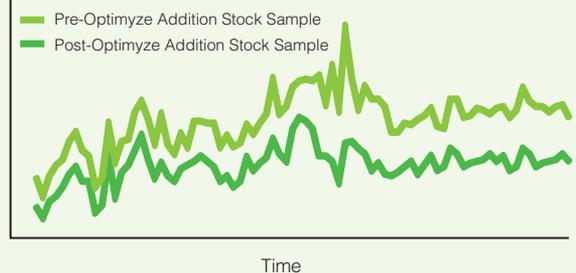
## Optimize® stickies program — reduce downtime, save money

Cleaning stickies off dryer fabrics helps prevent blisters on the cream face surface, but it also requires costly downtime. Optimize helps to stop

### Case history

When this Buckman customer began applying Optimize® 540 to the discharge side of the high density tower, the downtime required for cleaning was reduced dramatically. The ROI? More than \$800,000 annually.

### Stickies Count



stickies, not only reducing downtime but also furnish cost, ERIC, and VOC-containing solvents.

### Improvements across the board

Look to these fine Buckman solutions to round out your quality gypsum production.

#### Busperse® cleaners

- Provide cleaner surfaces
- Protect against deposit buildup
- Extend felt life

#### Bubreak® defoamers

- Improve plybonding
- Enhance stock cleaner effectiveness
- Raise sheet quality

### Mosaic® and Bufloc® retention/drainage programs

- Improve formation and basis weight
- Improve saveall efficiencies
- Minimize sewer losses

### Busan® preservatives/microbicides

- Provide mold and mildew resistance

### Learn more

Get rock-solid support that can save your company hundreds of thousands of dollars every year. Find out more about the Buckman Wet End Management System. Contact your local Buckman representative, or visit us at [buckman.com](http://buckman.com).

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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