

**BUSAN<sup>®</sup>  
1215**



## Get tough on deposits. Go easy on the planet.

### **Keep papermill equipment cleaner with stronger, greener Busan 1215 from Buckman.**

Now you can get a deposit control program that provides maximum protection for both your equipment and the environment. Busan 1215 from Buckman combines smart chemistry and proprietary feeding equipment to bring you a more stable deposit control program you can feel good about. In fact, Busan 1215 is 100% mineral, made locally, and produces no organic toxins, making it the greenest technology on the market.

# A better biocide chemistry from the world leader in deposit control technology.

Currently being used in more than 150 applications worldwide, Buckman's Busan® 1215 is superior to conventional microbiological deposit control programs. No free chlorine. No strong oxidant. And little or no reaction with organic and chemical demand. That makes it safer and more stable, which is great for people and planet. Just as important, Busan 1215 is more effective at maintaining clean system surfaces, fighting biofilm, reducing organic deposits, and disinfecting stock and water circuits. That makes it great for the bottom line.

## Dramatic improvements

Busan 1215 can help improve your operation dramatically and create significant savings in these key areas:

**Wet end efficiency**—helps reduce consumption of vital wet end additives, including starch, retention aids, fixatives, dyes, defoamers, wet strength, OBAs, and size.

**Product quality**—reduces the occurrence of holes and sheet defects due to microbiological activity. Minimizes off-grade production and food grade rejects.

**Productivity**—improved runnability and higher machine efficiency. Reduced breaks and fewer shutdowns for boilouts and washups.

## CASE STUDIES

A mill making recycled board grades was using a traditional organic biocide program but wasn't happy with the costs or with machine cleanliness and runnability. So, Buckman implemented a Busan 1215 program using Buckman's proprietary feed equipment. Now, the machines are much cleaner and the mill enjoys reduced biocide costs, fewer breaks and holes, and less off-grade production. This has resulted in savings for the mill of more than \$410,000 per year.

Concerned about cost, corrosion, and safety issues associated with their biocide, a mill making alkaline printing and writing papers called on Buckman. We implemented the Busan 1215 program, including proprietary feed equipment. Busan 1215 has improved stability to provide better performance at a lower product dosage, with no evidence of corrosion in the dryer sections and no safety incidents reported. Best of all, the mill saves more than \$180,000 per year.

## A wide range of applications

When used as recommended, Busan 1215 is appropriate for all papermaking systems and is highly effective in:

- Paper machines: fine paper, LWC, newsprint, tissue and towel, board, and packaging
- Pulp applications
- Deinking lines

## Control of specialized problems

- Catalase
- VFA (volatile fatty acids)
- Endospores in food grades
- SRBs (sulfate-reducing bacteria)

## Government regulations

- Busan 1215 is registered as a pesticide by the EPA.
- Busan 1215 is registered as a pesticide in Canada (PMRA) registration number 30524.
- Busan 1215 has FDA and BfR approvals.
- Busan 1215 programs do not generate chloroform or THMs (tri-halo methanes).

## No corrosion issues with Busan 1215

Both laboratory and mill studies have shown that when used as recommended, Busan 1215 will not contribute to corrosion in your system. Buckman will perform corrosion studies in your system as part of a Busan 1215 service program.

## Benefit from Buckman's fully automated feed systems

Busan 1215 is specifically designed to generate stable, pure biocide in our state-of-the-art feed units.

**Consistent delivery**—accurate feed rate control and distribution.

**Problem-free performance**—no capital investment. Buckman owns and maintains all application equipment. The equipment is managed by a trained Buckman representative.

**Leading-edge safety**—excellence in safety is part of our Buckman Fundamentals.

## Learn more

Now you can treat your equipment and the environment to a whole new level of protection. To find out more about the Busan 1215 system from Buckman, contact your local representative or visit us online at [buckman.com](http://buckman.com).

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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. AB15H (12/18)

Argentina +54 11 4701-6415; Australia +61 (2) 6923 5888; Belgium +32 9 257 92 11; Brasil +55 (19) 3864-5000; Chile +56-2) 2946-1000; China +86-21) 4921-0188; India +91) 44-2648 0220  
Indonesia +(62) 21-2988 8288; Japan +(81) 3 6202 1515; 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