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BIM Clean Concept

- Your choice for cost efficient paper production

Paper and board machines must have a solution for process hygiene to secure machine runnability and the quality of the end products. The BIM Clean concept includes different types of chemical treatments adapted to the process conditions of each specific mill.

Deposit control and removal

Deposits and accumulations are a well-known and significant problem in the pulp, board and paper industry. If not managed correctly, deposits can cause significant costs in terms of reduced product quality, reduced operational efficiency due to downtime, and increased repair costs.

BIM Kemi has a broad portfolio of deposit control and removal products to tackle the unwanted particles in the different parts of the papermaking process, such as:

- Wire/fabric conditioning
- Roll treatment
- General surface cleaning
- Organic deposit control
- Inorganic scale control

With BIM Kemi's expertise and chemistry, almost every deposit can be removed and prevented.

Microbiological Control

Paper and board machines provide a pleasant atmosphere for microorganisms. Microbial contamination of the paper machine atmosphere can result in raw materials' spoilage, slime build-up, including contamination of the final product by microbial or microbes metabolites.

High-quality and correctly implemented microbiolocical control is a key factor in improving product safety and quality in paper and board manufacturing. The expertise of the chemical supplier is key in choosing the right method.

BIM Kemi offers a comprehensive microbiological control range adapted to the mill specific conditions, that combine innovative chemistry, application expertise, and process knowhow:

- Non-biocidal
- Oxidizers
- Non oxidizers
- Preservation

Defoamers/deaerators

Foam and air generation in pulp and paper processes can cause runnability problems as well as reduced production efficiency and pulp and paper quality. Closed systems and new rawmaterials and additives, have increased the tendency for foam and air to build up in the process.

BIM Kemi's range of foam control agents includes specific defoamers and deaerators adapted to the needs of all pulp and paper applications:

- Wet end deaerating and foam control
- Size press and coating applications

Water Clarification

In the paper machine, wet end polymers are used to enhance the efficiency of the paper-making process and improve the properties of the final paper product.

The wet end polymers are binding anionic trash and colloidal materials to improve retention and cleanliness.

Benefits of using BIM Clean

At BIM Kemi we are with you every step of the way – we provide not only chemistry but also professional supervision and technical support to our partners / customers.

Benefits of using our BIM Clean Concept:

- Improved product quality
- Increased production efficiency
- Cost savings
- Enhanced environmental compliance
- Better resource utilization
- Productivity gains

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