

***Applied Chemicals International Group***  
*Technical Service is our Success*



**Chemicals and minerals**

for the production of high quality paper, board and pulp quality, including preparation and dosing

paper [  ] tech

*acat.com*



# Everything for the paper, cardboard and pulp industry



Choose from our extensive range of highly effective chemicals and minerals, innovative treatment and dosing equipment, and professional services in the field of paper technology.

## Dry Strengths Products

### Targeted optimization for strength and runability

Benefit from our patent-pending technology to meet the ever increasing demands in the paper production industry. Our products guarantee you the following:

- Increased dry strength
- Fewer breaks
- Higher speeds
- Increased filler content for graphic paper



## Fixing Agents and Coagulants

### Large variety of organic and inorganic coagulants and fixatives

When it comes to detecting, monitoring, and treating stickies, resin, and white pitch deposits, we support you with our specially developed analysis method ACAT Pitch Counter (APC). We also offer a wide range of effective products for:

- Stickies reduction in systems containing recovered paper
- Resin control in wood-containing systems and pulp mills
- White pitch treatment in painted scrap and waste, paint shop wastewater
- Circuit water cleaning, sizing agent, COD reduction, sludge preconditioning

## Bentonites

### Highly effective and suitable for a variety of applications

Choose from a wide range of bentonites for all applications. We gladly help you with the specific selection through laboratory testing and our unique method of analysis, the ACAT Pitch Counter (APC).

## Retention Aid Systems

### Successfully used with the largest and fastest paper machines in the world

The demand for chemicals is particularly high in the paper industry. Our products deliver high-end micro-particle systems with optimal properties in terms of formation, sheet formation, retention and dewatering. In addition, we offer optimized methods for each paper grade or quality that meet the highest standards of performance and runability.

## Flocculants

### Developed specially for solid-liquid separation

Use our highly effective synthetic flocculants, which cover a wide range of molecular weights and charges. Available in solid, liquid and dispersion form.

## Defoamers and Deaerators

### Foam control in paper and pulp production

Here you will find a wide selection of defoamers for the wet-end section as well as for use in coating colors and glue baths. We gladly support you in selecting optimal products for your purposes through laboratory testing.

## Specialty Products

### We have an „open ear“ for special requests

If you need products for specific applications in addition to our standard program, then you also have come to the right place. We offer an extensive range of products excellent for use in all areas of municipal and industrial wastewater treatment as well as paper and cardboard production.

## Machinery and Equipment

### For powder and liquid polymers as well as minerals

According to your specific requirements and internal standards, we develop virtually maintenance-free solvent and dosing stations for you. You may prepare any desired batch concentration and monitor it online as well when treating polymers or mineral slurries such as bentonite, guar, and others. The product is stored either in bulk bags (bigbags) or silos.



## Odour Control Aids

### Odour control and prevention of corrosion

Whether canal system, pump station, landfill, sewage or chemical operation and for any kind of odour - no matter how strong and regardless of the intended application location - we have the right system for you.

- Mixed mist system - the finest atomization of essential oils
- Dosing of calcium and iron nitrates to maintain aerobic culture in canal systems
- Microbiological systems

# acat.com

*your global partner for better solutions*

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● our office destinations

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## Asia, Pacific

China, Hong Kong, India, Indonesia, Qatar, South Korea, Thailand, United Arab Emirates, Vietnam

## Americas

USA, Bolivia, Canada, Colombia, Ecuador, Mexico, Peru

Pictures: Petra Spiola

Photocredits: Christine Nestler-Kenzian, Petra Spiola. Graphicdesign: PalmaDesign, Harald Palma. Version: ACAT V4, Nov 2023.

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