

RECORDED BENEFITS

- Reduced dust on the Yankee
- Lower wet-strength consumption
- Improved softness
- Improved Yankee coating performance
- Overall cost reduction

Control of Headbox Fines Through Particle Management

PerForm™ SP Advanced Retention and Drainage Aids

Customer Challenge

A customer in Asia Pacific was producing tissue from a furnish containing bamboo pulp which was resulting in high levels of headbox fines. The fines were leading to increased levels of dust being generated on the Yankee, increased wet-strength consumption, reduced softness and a hard coating layer on the Yankee.

Recommended Solution

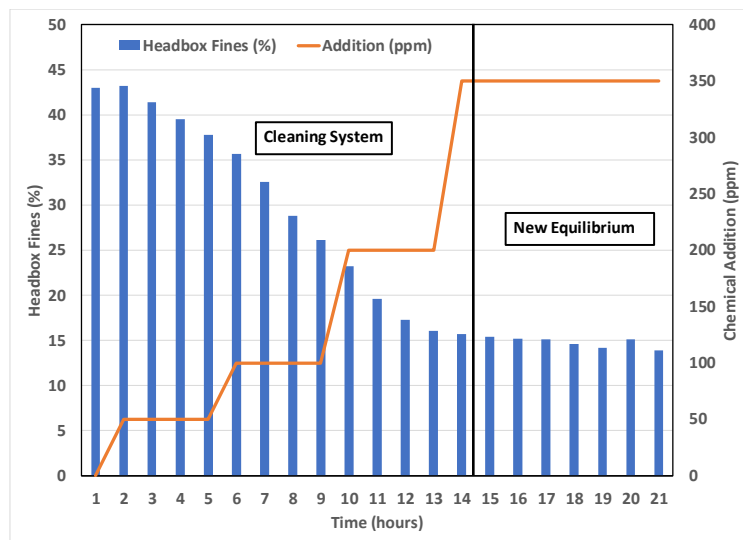
After consultation with Solenis, a program of PerForm SP advanced retention and drainage (an anionic micropolymer) was applied post screen.

Results Achieved

The application of PerForm SP increased fines retention resulting in:

- Reduced dust
- Lower wet-strength consumption
- Improved softness
- Improved Yankee coating performance
- Overall cost reduction

Initially, PerForm SP was applied at low addition rates to control the cleaning of the water system. Cleaning too quickly can create short term issues, such as lower softness and higher dust. A new system equilibrium was reached after 14 hours.



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