

SMS Breakthrough Solution for Superior Paper and Performance

SMS Corporation



SMS First Breakthrough in South Africa

Toward Better Paper Production

Reducing production cost while adding value in paper production has always been an important factor for paper manufacturers.

SMS Corporation highlighted a new competitive way forward in paper manufacturing in South Africa. “**EXCELCAT[®] 35**”, an innovative cationic biopolymer was debuted as a solution for cost-optimization and production sustainability.

See the case below how **EXCELCAT[®] 35** can cut down the cost for the most productive outcome.



Paper type: Kraft linerboard
Speed: 400-500 mpm
Basis weight: 170-195 g/m²
Furnish: 100% virgin unbleached Kraft

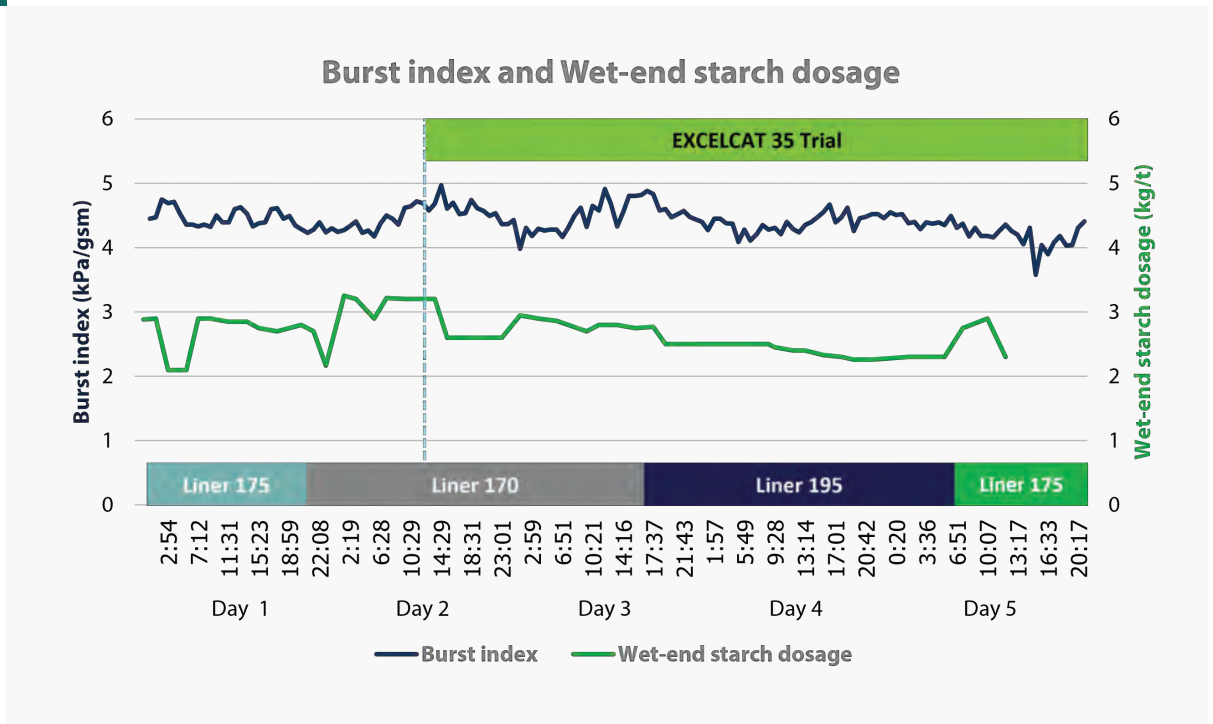
Wet-end chemical:
Retention aid, Drainage aid, Dry strength agent, Charge control agent, Alum

Internal sizing:
ASA sizing with a polymer as an emulsifier

Customer objective:
To reduce wet-end starch cost while maintaining paper strength and machine run-ability

SMS solution:
EXCELCAT[®] 35 at a dosage of 2-3 kg/t.
Burst index above minimum requirement.
Machine run-ability continues as usual.

Overcome Challenges with Superior Quality and Cost Optimization



Conclusion:

EXCELCAT® 35 effectively optimized cost while maintaining stable product quality. This breakthrough has established long-term business cooperation by improving the total paper production cost and performance.

The information provided in this brochure is a general guideline for products. SMS technical personnel will be happy to provide detailed application advice in close consultation to meet specific requirements.

