

SpeedDrain™: An enhanced drainage and productivity aid for paper and board producers

Better drainage, better paper

- **Speed & Simplicity:** High product efficiency, easy application, minimal handling.
- **Quality Improvement:** Better formation, stronger paper, and consistent performance.
- **Sustainability:** Reduced environmental impact across energy, transport, and fiber use.

SpeedDrain is part of the hybrid family of Nalco Water's robust drainage portfolio that enables papermakers to attain important on-machine-efficiency (OME) and sheet quality gains in formation, porosity and smoothness. Designed for performance, this technology provides controllable drainage on high-speed machines and improves ash/fines retention to complement existing programs without over-flocculation of the sheet.

How SpeedDrain can help you



Replace high molecular weight polymers

- Better quality
- Higher strength
- Higher press solids
- Simplicity



Replace conventional PVAm/PEI/GPAM systems

- Cost reduction
- Improved retention
- Less handling
- Less transport

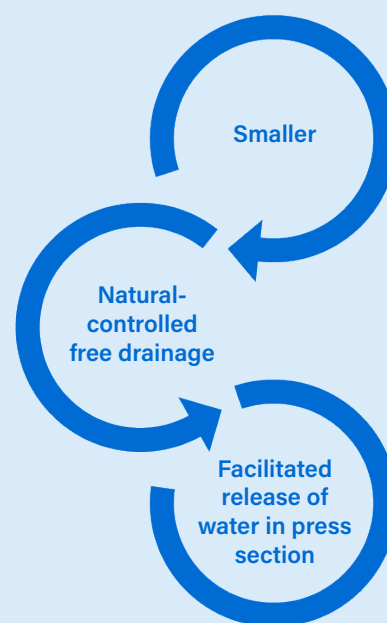


Figure 1: SpeedDrain is a polyacrylamide-based chemistry with a design well balanced between molecular weight and charge to create optimal flocculation

The Speedrain Impact

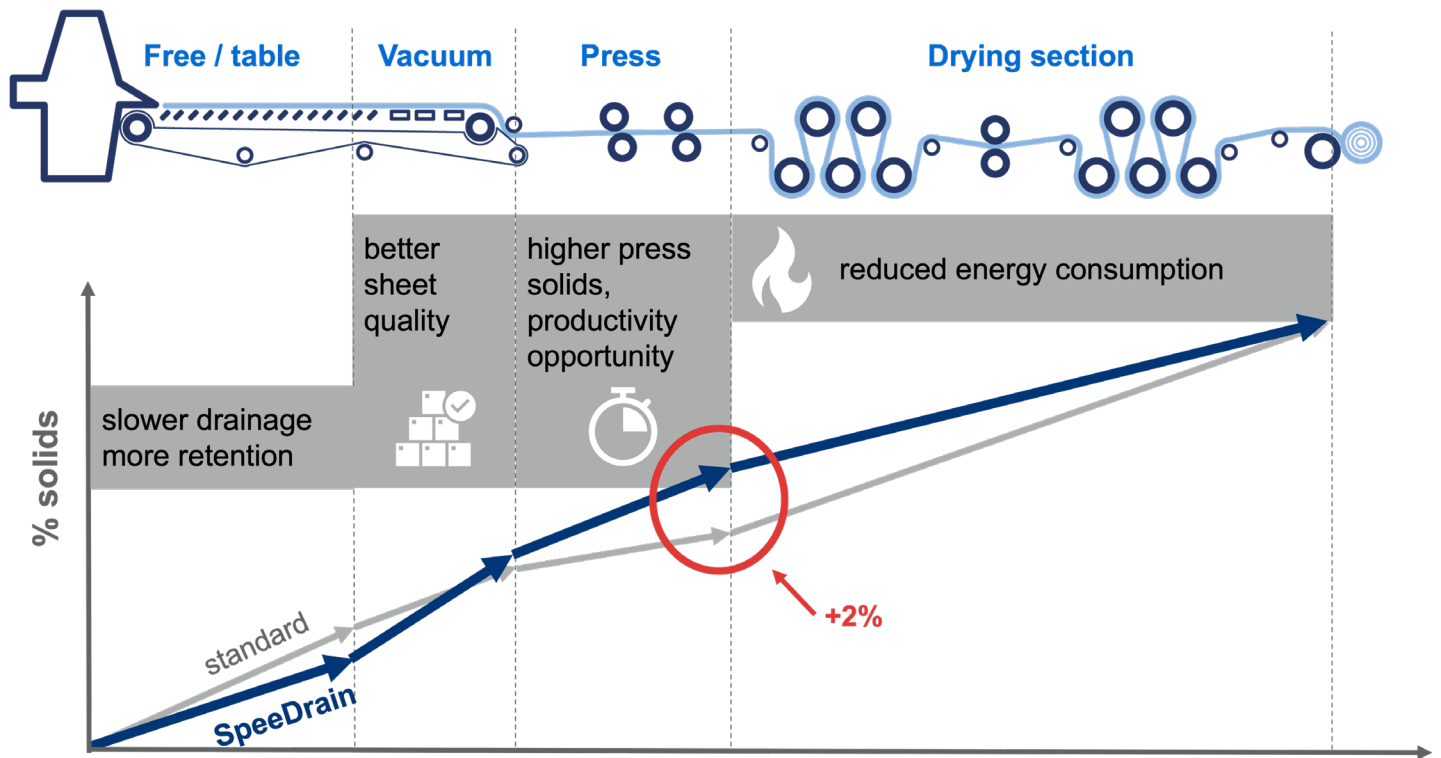


Figure 2: By accelerating drainage in the forming and vacuum sections, Speedrain supports higher solids into the press, enabling productivity gains and lower drying energy demand

Produce more board with less environmental impact



Lower transport emission due to reduced number of shipments by up to 50%*



Reduced risk from chemical handling



Decrease CO₂ footprint by up to 10%** in 100% recycled board mill, by reducing specific steam consumption

*Against traditional PVAm products

**Based on FEFCO data Home - European Database for Corrugated Board Life Cycle Studies | FEFCO

Contact your Nalco Water sales representative today to learn more.
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