

PARTNERS IN POSSIBILITY

diglyceride lubricants in aqueous paper coatings

customer challenge

- the papermill was in need of a higher coating solid that warranted little or no blade scratches
- previous attempts had resulted in blade scratches, slowing productivity and lessening sheet quality

solution

- the technical team at **Aurorium** introduced the use of diglyceride lubricants into aqueous paper coatings
- made from 100% active material, **Berchem™ 4136** eliminates blade scratching and coating brittleness, while improving smoothness and printability

benefits

- **sustainability:** made from renewable raw materials and contains no animal by products
- **product flexibility:** extended shelf life and freeze/thaw stable
- **enhanced printability:** improves base and print gloss, reduces dusting, extends slitter life and printing properties of the final sheet

additional benefits

- **manufacturing efficiency:** using Berchem 4136 the papermill achieved:
 - 2% higher coating solids
 - 17% gravimetric water retention
 - increased machine speed
 - reduced coating set back led to increased yield



at a glance

specialty lubricant for paper coatings helps eliminate blade scratching



from forest to fiber, **Aurorium's** performance enhancing solutions are designed with preservation in mind; delivering messages by protecting both the package and the print

