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

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