Challenge

A Northeast U.S. mill making light-weight coated paper previously ran Stainlessflex™ doctor blades on its granite 3rd top press roll. The machine runs at 3,400 fpm and the roll is not lubricated. The Stainlessflex doctor blades only lasted about three days in this position.

Solution

When the PressTek Plus doctor blade was installed, the blade life increased to two and a half weeks without any effect on the roll surface roughness.

Results

PressTek Plus doctor blades have been running for years in this position without any changes to the roll surface, which is critical in press positions. Mill personnel may initially be skeptical about running a coated metal blade in these critical positions for fear of damaging roll surfaces, but they have found that PressTek Plus doctor blades maintain the proper surface roughness of the roll.

Highlights

- Maintenance of proper surface roughness
- Extended blade life
- Reduced downtime
- Improved wear rate