



Bercen, Inc.

Where Innovative Solutions Begin!

BERSIZE® 6103 Improves Coating Holdout & Eliminates Scratches

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MILL OVERVIEW:

Mill: Bleach Board
Grades: C2S, SBS Board
Furnish: Hardwood/Softwood
Production: 500 tpd
Speed: 1200 fpm

PRE-TRIAL OBJECTIVES:

Based on the performance of **BERSIZE® 6103** at sister mills, no further lab testing was necessary. Bercen performed a preliminary system overview prior to the trial. Bercen observed several strips of paper off the reel in an effort to establish a baseline of the severity of the scratching problem.

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SYSTEM OVERVIEW:

Size Press: Conventional
Formula: Oxidized starch, Calcine Clay, pH 6.8,
70 lbs./ton pickup
25 lbs./clay pickup

APPLICATION:

Added 1.0 lb. per ton of **BERSIZE® 6103** directly into the size press run tank.

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MILL OBJECTIVE AND TESTING REQUIREMENTS:

HST, Cobb, and COF values were tested at Bercen's lab. The mill objective was to reduce backside scratches. This was primarily a visual evaluation at the end of each reel.

RESULTS:

The addition of **BERSIZE® 6103** eliminated most, if not all, of the visible scratches on C2S. Testing on the backside of C1S showed a 20% reduction in static and kinetic friction, 17% reduction in Cobb, and 40% increase in HST.

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