



Bercen, Inc.
Where Innovative Solutions Begin!

BERSIZE® 6103

Reduces COF in Size Press Application - II

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MILL OVERVIEW:

Mill: Fine Paper
Grades: 50 & 60 lb. Offset Free Sheet
Furnish: Hardwood, Softwood, Broke
Machine: Fourdrinier, Twin Wire
Production: 1500 tpd
Speed: 3000 – 3500 fpm

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SYSTEM OVERVIEW:

Size Press: Metered Size Press
Additives: AP Converted Starch
1 lb./ton Chromoset
pH: 8.0
Solids: 9.2%
Starch Pickup: 50#/ton/side

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MILL OBJECTIVE AND TESTING REQUIREMENTS:

COF's are to be checked by both the mill and Bercen. Trial paper will be sent to the customer and monitored for performance.

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PRE-TRIAL OBJECTIVES:

Lab testing was completed at Corporate Research. Based on those results and the success at other sister mills, the trial was immediately approved without additional lab work.

APPLICATION:

The recommended dosage rate was 0.8 lbs. per ton per side. **BERSIZE® 6103** was fed directly into the starch run tank with a variable speed gear pump.

RESULTS:

Both the customer and Bercen considered the trial a complete success.

Bercen and the customer generated COF numbers. PM #1 reduced static COF 18% and kinetic COF 24%. PM #2 reduced static COF 17% and kinetic COF 15%.

The paper had to perform for the customer during converting. The mill followed the paper from both machines through converting and it performed very well. This solved a major customer concern. The customer was very satisfied with the improved quality.