

Foseco®

TECHNICAL DEVELOPMENT DEPT.

COMMERCIAL DEVELOPMENT DEPARTMENT

STEEL MILL PRODUCTS DIVISION

MARCH 1973

NON-ASBESTOS PROFAX

#699 Boards

During March 1973, U.S.S.-Fairless accepted to use the E.P.-5273 recipe for their #699 boards. The production started on Monday, March 19, 1973. The tool was twice modified dimensionally.

The scrap rate, over a period of 21 consecutive shifts, was 4.8% versus 4.5% for regular Profax 31. The scrap rate percentages were obtained from the Quality Control Department. Our investigation in this problem showed that almost 100% of scrap is generated by hanging rods on the dryer racks.

Green strength improvement of the E.P.-5273 recipe was tried with no success. We are still investigating the green strength improvement and/or a lubrication system for rack's rods.

#341 and #342 Boards

The E.P.-5273 recipe was used for an experimental run at Armco-Middletown.

The experiment was scheduled on the 'F' machine and produced 166 boards with #341 tool with a scrap rate of 10.8%; and 156 boards with #342 tool with a scrap rate of 18.6%. The higher scrap rate was caused by hanging rods.

Dimensionally these boards are smaller than our regular Profax 31 boards with 1/8" for #341 tool and 1/16" for #342 boards.

During the experimental run, a slurry line blockage was reported. The slurry blocked the feed line from the holding tank to the pump after 15-20 minutes of break time. The problem is under investigation because no such problem occurred for six consecutive shifts on the 'K' machine.