



STEAM PREHEATING WOOD

Uniboard Canada is aiming to improve North American production with the installation of innovative technology that preheats raw particleboard with steam before it is pressed.

- a first-in-kind technology in North America will increase speed and allow greater flexibility in the production process



UTILIZING CANADA'S FORESTS: RESULTS EXPECTED

UNIBOARD IS THE LARGEST CONSUMER OF SAWDUST AND SHAVINGS GENERATED BY THE WOOD PROCESSING INDUSTRY IN QUEBEC

**PARTICLEBOARD MIXTURE:
55% SOFTWOOD FIBER AND
45% HARDWOOD FIBER**



PRODUCTIVITY INCREASE

20%

INNOVATING WITH WOOD

- water vapour is injected into both sides of a wood particle mat just before its introduction into the press
- this process decreases the heating time allowing for increased production speeds
- the process allows Uniboard to review the efficiency of various production recipes to optimize materials usage (glue, resin and other substances) in production

POTENTIAL OPPORTUNITIES

MARKET: INCREASED PRODUCTIVITY WILL MEET THE GROWING DEMAND FOR WOOD PANELS

COMMUNITY: MILL STABILITY, INCREASED COMPETITIVENESS AND ECONOMIC BENEFITS FOR THE SURROUNDING COMMUNITY

ENVIRONMENT: REDUCED ENERGY CONSUMPTION



UNIBOARD CANADA IS A LEADER IN THE NORTH AMERICAN ADVANCED WOOD MANUFACTURING SECTOR

**PROJECT LOCATION:
SAYABEC, QUÉBEC**

The high-temperature steam injection process used to preheat the mat has not been implemented on an industrial scale in any plant in North America so far. Its implementation will have significant positive effects on the particle board production process at the Sayabec plant

— Yvon Rousseau, Executive Vice-President and Chief Financial Officer
Uniboard Canada Inc.

Investments in Forest Transformation Program: In 2010, Natural Resources Canada's Canadian Forest Service created the Investments in Forest Industry Transformation Program (IFIT) to support Canadian companies to develop and grow markets for new and innovative high-value products using Canada's forest resources. *For more information www.nrncan.gc.ca/forests/federal-programs/13139*

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