



ENVIRONMENTAL  
COMMITMENT  
REPORT

## OUR ENVIRONMENT

It is no coincidence that the name Heartwood was chosen, back in the mid-eighties when we started our company. With an inherent love of nature, caring for our environment has always been an important element to the growth and success of Heartwood Manufacturing Ltd.

Proudly situated in the beautiful Okanagan Valley region of British Columbia, we are constantly reminded of the abundance of natural beauty which lies at our doorstep.

This serves as constant reminder to ensure we take great care of our local community and its resources, while also employing sound business practices and techniques to help reduce our impact on the global environment.

In essence, we are all responsible for our environment and the effect our businesses have on today's world.

We strongly believe that the commitment we've always had for improving our environment will

not only reward us with a better quality of life today, but ensure a better and brighter tomorrow for future generations.

We encourage and reward ideas from all of our Heartwood employees and by developing and implementing these, it helps us to grow as a company and a community, within a community.

## OUR STANDARDS

At Heartwood, we constantly strive for new ways to reduce, reuse, and recycle waste. We have developed an internal recycling system that recycles all of the office waste paper as well as 98% of the waste from the manufacturing plant.

Through ongoing research and development, and collaboration with our suppliers, we seek and adopt new technologies that promote the use of recycled materials in the manufacturing and packaging processes.

Heartwood are currently in the midst of a transition to paperless systems. Documents that used to get faxed are now being emailed,

such as Order and Shipping confirmations. Virtually all invoicing is now being emailed. Incoming faxes are received digitally, allowing orders to be input without the need of a printed page.

## OUR SUPPLIERS

Our efforts can only be as good as the suppliers we choose to work with. We make every effort to align ourselves with both local and overseas companies who share the same values of integrity and environmental awareness.

Heartwood is proud to use source suppliers who consider environmental issues an important aspect of their core values and day-to-day business ethics.

All of our suppliers comply with the stringent certification standards which offer an excellent yardstick by which to measure the quality of our products.

“ WE HAVE DEVELOPED AN INTERNAL SYSTEM, RECYCLING 98% OF THE WASTE FROM THE MANUFACTURING PLANT. ”



## INDOOR AIR QUALITY

The California Air Resources Board (C.A.R.B.) is an organization created to develop and implement the most stringent guidelines for indoor air quality standards in the United States.

This is now a mandatory requirement for all furniture and building materials sold in California and the EPA is currently looking to adopt the C.A.R.B. standards nationwide (Canada is expected to follow at the same time). Even China has a testing facility that is now C.A.R.B. certified.

Heartwood sales and customer service staff are sometimes asked if our products are “Greenguard certified”. Greenguard is just one of many independent testing organizations in the U.S. and Canada offering testing services for building materials and other products.

In fact Greenguard uses C.A.R.B. standards as part of their Formaldehyde emissions testing procedures. Both Heartwood’s domestic and HDL’s imported furniture is made from melamine-faced particle board, produced in Thailand.

Our supplier, Panel Plus, has their particle board/melamine emissions tested in Oregon every year and they are currently certified to meet C.A.R.B. regulations, the same standard which Greenguard adheres to.

Such is the quality of Panel Plus products that they not only meet current C.A.R.B. standards but also meet the level 2 criteria, which came into effect in 2012.

## EMISSIONS MANAGEMENT

Our suppliers own and operate factories with advanced waste treatment systems to help eliminate undesirable emissions.

The use of water-based amino resins in the paper treatment and particle board production processes helps to actively reduce fugitive emissions into the atmosphere.

Dust filtered bag systems are installed at various stations to minimize emissions and provide a healthier working environment.

The installation of state-of-the-art EcoDry systems controls the hazardous air pollutants (HAPs) and volatile organic compounds (VOCs) that are generated from the wood chip drying process.

All emissions from this process have been reduced to levels meeting regulatory guidelines for the industry sector.

All particle board used for our products meets the low emission standards that comply with JIS A5908, which is generally accepted to meet or exceed the related North American Standards.

“ BECAUSE WE DON’T THINK ABOUT FUTURE GENERATIONS, THEY WILL NEVER FORGET US ”



## RESOURCE CONSERVATION

We partner with suppliers who actively pursue resource conservation and management.

Our suppliers promote a policy of no "old growth" trees harvested for production of particle board.

Their wood chips can also come from sawmills, planing mills, and other resources where the material is a waste by-product of primary product reducing the need for purpose milled wood chips.

They undertake the planting and rearing of rubber trees (tree farms) to ensure that a constant resource supply is maintained.

This ensures natural forests and woodlands will be kept by untouched.

A portion of the decorative papers used in our suppliers' laminate production processes contain recycled material.

Closed-loop hot oil heat exchange systems are used in their factories to reduce the amount of water required in production, removing the demands of local water supplies.

## PACKAGING INNOVATIONS

Heartwood Manufacturing Ltd. are dedicated to replacing 95% of the Styrofoam currently used in all domestic & import packaged products, with recyclable honeycomb cardboard.

We are excited to announce that as of May 1, 2009, we will be moving towards a new packaging system, removing the use of Styrofoam and replacing it with recycleable honeycomb cardboard.

It will take some time to transition Styrofoam out of stocked product, but we are hopeful that by year end, the majority of it will be extinct.

This transition will further increase the amount of recycled materials in our packaging process.

Honeycomb cardboard can be recycled in the same way as regular cardboard and further reduces our dependence on fossil fuels for the production of raw materials.

“ A PEOPLE WITHOUT CHILDREN  
WOULD FACE A HOPELESS FUTURE;  
A COUNTRY WITHOUT TREES IS  
ALMOST AS HELPLESS. ”



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