



The Thoro Green Sheet



**Thoro Packaging is Forest Stewardship Council Certified (FSC). Our specific type of certification is referred to as “chain of custody.” This means that Thoro Packaging can make verified claims that our paperboard products come from certified well-managed forests.



**Offering eco-friendly printing with vegetable inks. Vegetable-based inks are made with renewable resources such as soy, linseed, and corn. From production of the raw materials through the disposal or recycling of the finished product, the negative impact on the environment is significantly minimized.



**We have partnered with German based natureOffice, through their USA program, to offer our customers the option of certifying their print jobs as carbon neutral. Carbon neutral printing reduces greenhouse gas (carbon dioxide) emissions; decreases the use of raw materials, shipping and energy consumption; and reduces toxic waste.



**100% Certified Green-e Energy - Thoro Packaging has improved the environment and reduced the risks associated with climate change by switching to green power. This commitment reduces the amount of CO2 by 2,544,000 pounds per year and builds green infrastructure for future generations.



**Clean Air - 100% of Thoro’s solvents have 100 grams per liter or less of VOC’s. The industry standard is over 500 grams per liter.



Thoro Packaging has met the requirements of the Environmental Protection Agency (EPA) by purchasing the required amounts of renewable energy credits. We were awarded membership to the 2010-2012 Green Power Leadership Club. This is a distinction given to organizations that have significantly exceeded the EPA's minimum green power purchase requirements.



**Thoro Packaging obtained certification in accordance with the Sustainable Forestry Initiative (SFI) Chain of Custody Standards. SFI Inc. is one of the world’s largest forest certification programs, and it is internationally recognized and accepted.

** Indicates logo can be printed on your folding cartons.

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Building Green Initiatives

We are making significant progress toward our long-term environmental sustainability goals.



Project Daylight involved the installation of new double pane skylights in our manufacturing facility. This endeavor resulted in a reduction of peak demand on electricity during the hot summer months, zero greenhouse gas emissions, is a cost saving technology, and is an efficient use of the sun's energy.



Electrical lighting is only used when necessary. This was made possible by installing light sensors on fluorescent lighting over work-in-progress (WIP) areas, allowing our team to work using only natural daylight.



Thoro has replaced all lighting with energy efficient fluorescent bulbs and added auto turn-off motion sensors in our office space, production floor and warehouse building. This transformation will decrease our facilities' monthly utility usage and expenditures.



The installation of our "cool roof" reflects solar energy and radiates heat away after it is absorbed. This environmentally friendly technology will reduce utility bills, benefit the surrounding environment, and help everyone in our plant feel a little cooler during warm-weather months.



The installation of a new cooling system in the production hall regulates room pressure, temperature and humidity control, and high efficiency air filtration. This new system utilizes MERV 8 performance rated filters and improves efficiency by 80% over standard air conditioning.



Thoro has teamed up with Sun Chemical and GFI Innovations to implement leading color producing technology and custom color matching. Using both conventional and Energy Curable (UV) inks, our ability to produce exactly what is needed for new and repeat work—with precise color accuracy—will reduce ink waste by 30%.

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Building Green Initiatives

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Thoro has installed a thin-client network to reduce individual client terminal energy consumption, lower energy costs and cooling requirements. Research has found that PC terminals use twice as much energy as a thin-client environment. Thin clients average only about 25 watts of power usage compared to the 65 – 250 watts required by the average desktop PC. The thin-clients provide a more efficient use of server resources, as well as the reduced performance requirements will result in longer hardware life cycles.



Thoro has purchased a new online proofing software which will allow our clients to review virtual proofs for changes, production details and final approval. The WebCenter software will reduce the need for printing digital proofs for clients, and then eliminate transportation emissions from shipping proofs to clients and back to Thoro.



Thoro has increased our recycling efforts in our office, warehouse and production floor. Receptacles for glass, plastic, metal cans, white paper, and mixed paper have been strategically placed throughout our facility.



We removed the Wisconsin oven from our plate room and installed a new positive thermo plate no bake processor. This eliminated the excessive heat generated by the oven and over compensation of our air conditioning. Overall, this change has provided optimum conditions delivering improved consistency, reduced chemistry usage with associated environmental benefits and lower costs, saving 24 kilowatts of power.



The current “Refresh Thoro’s Office Space” project is moving ahead with the following environmentally friendly choices: Healthy alternative low VOC paint, removing the old appliances and replacing them with energy efficient ones.



Thoro Packaging promotes ridesharing. Many of our team members have gone the extra mile, and are participating in a county sponsored commuter club carpool program.

At Thoro Packaging we continue to look for ways to reduce our own footprint, and to provide environmental and energy efficient printing and packaging solutions to our clients.