



Product Description

Paper and Wood Products include household and personal care products composed primarily of wood, recycled fibers, or other natural fibers. Product types include copy paper, diapers, dimensional lumber, disposable paper food and drink containers, feminine and nursing hygiene products, household papers, greeting cards, stationery paper, engineered wood products, wooden furniture, wooden pencils, and wooden toys.

Mission

The mission of The Sustainability Consortium (TSC) is to improve the sustainability of products when they are made, purchased, and used, with a focus on manufacturers and the retail buyers who decide what products to carry in stores. The information in this document is drawn from our detailed research on known and potential social and environmental impacts across product life cycles. TSC acknowledges that other issues exist, but we have included here those that are most relevant to the decision making of retail buying teams and manufacturers. The topics are listed alphabetically for ease of reading; the order does not represent prioritization or other criteria.

Sustainability Insights



Consumers

Consumer Health and Safety

Paper and wood manufacturers can use alternative chemicals or eliminate the use of harmful chemicals, such as formaldehyde among others, during production to reduce any potential human health risks to consumers. Manufacturers should procure paper and wood from certified sources to ensure that pesticides and other chemicals used in forestry operations are applied optimally and potential exposures are controlled. In cases where appropriate controls are not in place, chemicals may migrate into the environment, potentially leading to harm of workers or the local environment.



Managing the Supply Chain

Deforestation

Unsustainable forest management can lead to biodiversity loss, reduced ecosystem quality, and increased greenhouse gas emissions. When sourcing wood and virgin fiber, look for manufacturers that use sourcing policies that monitor progress on zero deforestation commitments. Sourcing policies should also promote protection of high conservation value forest habitats, which have unique plants and animals. Requiring third-party audits or certifications based on site-specific observations can also reduce the risk of deforestation.

Supply chain transparency

Addressing many of the environmental and social challenges within a paper and wood products supply chain requires cooperation among companies at different stages of the supply chain. Chain-of-custody and other data-sharing systems and initiatives can help improve transparency about where wooden furniture materials are being sourced, and manufacturers and suppliers can work together to address common issues, such as energy, water, chemical, worker health and safety, and labor rights.



Use of Resources

Climate and energy

Pulp production and final manufacturing of paper products, and wood sawing and drying for components used in wooden products consume significant amounts of energy, leading to greenhouse gas emissions. Manufacturers and their suppliers can help abate these impacts by measuring, tracking, and reporting energy use and

greenhouse gas emissions, with a focus on reduction. They can also perform preventative maintenance on equipment, replace inefficient equipment, use renewable energy, and encourage efficient energy behaviors throughout their operations.

Land and Soil

The quality of soil in forests may be degraded through physical disruptions associated with harvesting activities that do not use sustainable forest management techniques. To reduce soil and land impacts during timber harvesting, paper and wood product manufacturers and suppliers should use institutionalized sustainable forestry best management practices or procure wood-based products from certified sources.

Water

Pulp production for making paper may use a significant amount of freshwater which can be problematic in water-stressed regions even when the water is returned to the environment. Manufacturers should procure pulp from suppliers that measure water use, and perform water-use assessments throughout their supply chain in order to map water risk in different geographical regions to mitigate impacts associated with freshwater depletion. Manufacturers should assure that water pollution is avoided throughout their supply chain, especially where local government monitoring is insufficient.



Workers and Communities

Community Rights

Timber production can impact the rights of indigenous people and local communities through loss of land and timber rights and reduction of access to resources, especially in places where government controls are insufficient. Manufacturers should have third-party verification embedded in their sourcing policies for wood, paper, and pulp-based products, to protect indigenous and community rights within forestry operations, where applicable. Audits should be performed where needed and audit results should be made available to the public.

Forced or Child Labor

In some areas, there is a risk of forced or child labor, characterized by actions such as trafficking, withholding wages or documents, and restricting workers to the work site. Manufacturers should determine if and where forced or child labor occurs and work with supply chain partners and experts to address these issues to ensure all workers have fair working conditions.

Workers

Workers may be exposed to dust, noise, chemicals, or other industrial hazards. To help ensure worker health and safety and labor rights, manufacturers should have a documented health and safety management plan, including a chemical management plan where needed, and provide safety training and personal protective equipment to workers. Manufacturers should procure materials from suppliers that address worker health and safety and labor rights transparently and should perform audits when needed.