

adaptaspace



In a world where environmental awareness is increasing almost exponentially, technical furniture used 24 hours a day, 7 days a week has to contribute to the reduction of such pressures. At Adaptaspace, we strongly believe that it is our responsibility to design, manufacture and deliver products that will not only reduce the impact on the environment, but also be friendly to its users. Products we design, processes we use in our manufacturing and in our offices, materials we incorporate in our products, subcontractors we employ are all selected to a great extent for their contribution to improve our environment.

Product Life: all Adaptaspace consoles are designed to last between 15 and 20 years, backed by a lifetime warranty. This extended lifespan reduces the need for replacement and diminishes the cost of recycling as well as the amount of overall waste.

Manufacturing Processes: Adaptaspace uses water based adhesives for laminates and fabrics; environmentally friendly cleaning solutions where required in manufacturing; Powder Coat paints which do not emit VOC's; has built special purpose equipment to recover residues from various processes such as aluminum extrusion sizing; palettes from suppliers are returned to the suppliers or used as base components for crates; whenever possible, our products are shipped blanket wrapped, to eliminate all packing materials.

Office Processes: all files and drawing packages are kept electronically and in most cases are transmitted internally and to subcontractors in electronic form, thus reducing paper use to a minimum; all paper is recycled; all printers ink cartridges are systematically returned to the manufacturer for reuse or recycling; specific bins have been installed at key locations of the shop and office for all soda bottles and cans, which are recycled by Adaptaspace and the proceeds are returned to the employees' social club.

Materials: Adaptaspace standard laminate offering is manufactured by Wilsonart, which is Greenguard certified, has low VOC emitting and includes 22% recycled materials; particle board used in work surfaces and panels is 100% recycled; Medium Density Fiber panels are derived from MPB (Mountain Pine Beetle) damaged trees; all wood procured within 500 miles from Calgary; fabric is 100% recycled and recyclable; all scrap metal (steel and aluminum), including shavings, are recycled.



Sustainable Materials

- Steel** Adaptaspace consoles substructure uses cold rolled steel metal with 35%-90% recycled content. Scrap metal created during the manufacturing process is recycled locally and 100% the sheet metal components are recyclable.
- Aluminum** Aluminum used on the console is 100% recyclable and scrap aluminum made during the manufacturing process are recycled.
- Wood** Engineered wood is produced from post-industrial byproducts that originate from Sustainable Forestry Initiative (SFI) certified forests. Adaptaspace uses Particle Board produced from 100% recycled byproducts and Medium Density Fiberboard (MDF) produced with 86% recycled byproducts **. All wood products are certified as an Environmentally Preferred Product (EPP) by the Composite Panel Association (CPA) meeting VOC requirements for the State of California (considered the highest in North America).
- **Working with the provinces of Alberta and British Columbia, our MDF supplier harvests trees damaged by the Mountain Pine Beetle thereby helping reduce the spread of infestation and providing quality wood products.
- Laminates** High pressure laminates are typically composed of 13% plastic resin and 87% paper from Sustainable Forestry Initiative (SFI) certified mills. All Adaptaspace laminates are Greenguard certified for low VOC emissions and contain at least 20% recycled content. Laminates also have the ability to mimic uncommon materials, thus protecting endangered natural resources.
- Textiles** All fabric privacy panels are made from 100% polyester from recycled plastic bottles. All fabrics are 100% recyclable through the supplier/manufacturer.
- Adhesives** Adaptaspace uses Greenguard certified water-based PVA adhesives providing low VOC emissions. Laminated panels are cold pressed to reduce energy consumption during the manufacturing process.
- Finishing** All metal components are electrostatically powder coated for zero VOC emissions. Powder coat overspray is recycled during production to eliminate waste.
- Other** Adaptaspace uses a proprietary extruded PVC console nosing and pencil stop on all work surfaces. All PVC edging is 100% recyclable.



Sustainable Process

Adaptaspace believes that the first step to a better environment starts from the beginning in everything we do. From electronic document submissions to the selection of green products, Adaptaspace is always looking to improve our environmental impact.

Design

By designing our custom console furniture with a flexible frame, we are able to meet user's needs by using standard parts. By increasing part quantities, Adaptaspace can stream line production runs and reduce energy consumption and labor requirements.

Procurement

Adaptaspace has worked with our suppliers to eliminate paper orders, reduce or eliminate non-recyclable packaging materials and take advantage of environmentally friendly products where possible. By sourcing materials locally, we are able to reduce fuel and transportation requirements.

Manufacturing

Working with our suppliers to create a "just in time" schedule, Adaptaspace built a smaller facility allowing us to produce high volumes in a smaller space thereby reducing our buildings environmental footprint. Our facility incorporates transoms to increase natural light, vertical storage and building controls to reduce power consumption during working hours or eliminate "phantom loads" during evenings and weekends. Employees are encouraged to reduce chemicals used for cleaning, reuse wood, laminate and packaging materials and recycle scrap metals and wood products.

Shipping

Where possible, Adaptaspace blanket wraps products for shipping or reuses packaging materials from our suppliers. When required, crates are used for shipping and can be reused or recycled upon arrival. Customers are encouraged to reuse packaging materials or arrangement can be make to recycle unused materials.

Installation

Our console furniture has been designed to eliminate the need for onsite fabrication of parts leaving the site free from construction debris.