

Tecno RS Seating is durable, ergonomic, low maintenance and easy to disassemble. The aluminum, stainless steel and steel components are 100% recyclable and contain high recycled content. All powdercoat finishes are low- or no-VOC. Components in this product can be replaced or updated without replacing the entire product.

Recycled Content & Certifications

Configurations	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
Tecno RS Seating System	Contact	Contact	Contact	-

Green Building Standards

LEED® v3
<i>MR2: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.
<i>MR4: Recycled Content</i> – this product contains recycled material. Contact for further information.
<i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.
LEED v4
<i>MRp2/MR5: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.
<i>MR3: Sourcing of Raw Materials (recycled content)</i> – this product contains recycled material. Contact for details. <i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.
<i>MR4: Material Ingredients</i> – this product has a Health Product Declaration. Contact for details.
<i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.
Green Globes™
<i>3.5.4.1 Construction Waste</i> – packaging is designed to be reusable or recyclable. See below for details.
<i>3.5.6.3 Deconstruction and Disassembly</i> – this product can be disassembled to separate recyclable components
<i>3.7.2.1 Volatile Organic Compounds</i> - inherently non-emitting sources. Contact for details.
Estidama Pearl Rating System: Design & Construction, Version 1.0
<i>SM-R1: Hazardous Material Elimination</i> – product contains no ACMs and no CCA-treated timber
<i>SM-R2/SM-13: Construction Waste Management</i> - packaging is designed to be reusable or recyclable. See below for details.
<i>SM-4: Design for Disassembly</i> - this product can be disassembled to separate recyclable components
<i>SM-10: Recycled Materials</i> - this product contains recycled material. Contact for details.
SITES v2 Rating System
<i>Materials C5.3: Design for adaptability and disassembly</i> - this product can be disassembled to separate recyclable components
<i>Materials C5.5: Use recycled content materials</i> - this product contains recycled material. Contact for details.
<i>Materials C5.6: Use regional materials</i> - this product is manufactured in Pittsburgh, PA. Contact for extraction information.
<i>Construction C7.5: Divert construction and demolition materials from disposal</i> - packaging is designed to be reusable or recyclable. See below for details.

Product Materials

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
Aluminum	Corrosion-resistant metal that is suitable for many fabrication methods.	3	3		x		x	
Glass	Hard, brittle, transparent material consisting mostly of silica and various other ingredients that achieve different physical properties depending on use.	1	3		x			

Product Materials continued

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
High Pressure Laminate	Polymer often used as a substitute for glass because of its high impact strength and clarity.	4	0		x			x
Stainless Steel	Steel that is alloyed with chromium and other metals to improve corrosion-resistance.	3	4		x		x	
Steel	Plain steel that is alloyed primarily with carbon in varying concentrations. Requires a secondary finish coating for corrosion-resistance.	3	3				x	
Upholstery- Leather	Padding support utilized in seating products.	3	0					
Upholstery- Vinyl	Padding support utilized in seating products.	3	0					

*Maintenance ratings are assigned as follows: 0 – High level of maintenance required to keep up product performance and aesthetics; 5 – Absolutely no maintenance required to keep up product’s visual appearance and performance characteristics;

**Inherent value ratings are assigned based on the material’s scrap value: 0 – No scrap value, or negative scrap value, and/or no scrap market; 5 – High scrap value, accompanied by robust scrap market

Processes

Process	Description
Aluminum Making	A two-step process by which the aluminum is first dissolved in a caustic bath and then precipitated out in crystals. This two-step process can be circumvented by using recycled scrap that is melted down to form new parts.
Casting	The process of creating a solid object by pouring molten metal into a mold and allowing it to cool.
Cutting	A variety of methods may be used to cut through various materials.
Glass Making	Float glass is made by floating molten glass on a bed of molten tin. This allows uniform thickness and a very flat surface. The sheet glass is passed through rollers and eventually a kiln to gradually cool the liquid to its solid state. Once cool, the glass can be machined to specification. It is then tempered and can no longer be machined. Applies for soda-lime or borosilicate glass sheet.
Metal Finishing	Applied using grinding/sanding or polishing wheels. Finishing produces a grained/brushed or mirror-like finish on the surface, and depending on the material will increase corrosion resistance.
Plastics Manufacture	Plastic is the common term for a wide range of synthetic or semi-synthetic organic solid materials used in industrial applications. Plastics are typically polymers of high molecular weight, and may contain other substances to improve performance or reduce costs.
Powdercoating	A solvent-free finishing method in which electrically charged particles of pigmented resins are sprayed onto a product. Electrical grounding of the coated object causes the charged powder to adhere to the surface. When baked in a curing oven the deposited powder melts and fuses together to form a durable, cross-linked coating.
Sand Blasting	The process of smoothing, shaping and cleaning a hard surface by forcing solid particles across that surface at high speeds to provide an even finish.
Steel Making	Steel and stainless steel are made in one of two types of furnace: a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). A BOF is used to make steel from iron ore or from scrap steel; an EAF is used primarily to reprocess scrap steel.
Zinc Plating	Material is dipped into a solution and coated using an electric charge; yellow zinc is applied to the surface to increase corrosion resistance.

Packaging Materials

Material	Type	Description	Disposal
Cardboard	Box	Small or light products are packaged in cardboard boxes. Reused for shipping.	Reuse/Recycle
Foam	Sheets	Micro foam sheets are used to protect the finish on products.	Reuse
Plastic	Shrink wrap	Shrink wrap is used to protect the finish on products and also to hold padding to products.	Recycle
Wood	Crate	Wood crates are made to fit onsite. Wood scraps are recycled into mulch. Crates are reused when possible.	Reuse/Recycle

Transport

Method	Type	Description
Boat	Overseas	Some product components are shipped by cargo ship from overseas
Ground	Truck/Rail	Some incoming shipments and almost all outgoing shipments to customers are sent via ground transportation. This can include truck and often rail transport depending on the final destination.

Maintenance & Use

Maintenance or Use	Description	Chemicals Required
Clean with Water and Mild Cleaner	This product requires a damp cloth and a mild, nontoxic cleaner for maintenance.	Mild, water-based cleaner
Ergonomic	Product is designed for ergonomic use, which will contribute to service life.	N/A
Modularity	Components in this product can be replaced or updated without replacing the entire product.	N/A

Disposal

Method	Description
Disassemble	Product can be disassembled to separate recyclable components
Recyclable	All metal components can be recycled
Recycling - Scrap	Materials can be sold for scrap
Reuse	This item can be reused in the same or different function

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