

Tangent Table Ensembles are ergonomic, low maintenance and easy to disassemble. Wood slats are made from FSC® 100% ipé hardwood. Corrosion-resistant aluminum and stainless steel have a high recycled content and are fully recyclable. All powdercoat finishes are low- or no- VOC.

Recycled Content & Certifications

Configurations	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
Stainless Steel Table Top with Satin or Powdercoat Finish				
4 backed seats, extruded aluminum slats	24%	7%	31%	-
4 backed seats, FSC 100% ipé hardwood slats	24%	7%	31%	FSC 100%
4 backed seats, stainless steel seat pan (Sandstone or Diamond finish)	22%	18%	40%	-
4 backed seats, stainless steel seat pan (Satin or Powdercoat finish)	32%	6%	38%	-
6 backed seats, extruded aluminum slats	21%	7%	28%	-
6 backed seats, FSC 100% ipé hardwood slats	21%	7%	28%	FSC 100%
6 backed seats, stainless steel seat pan (Sandstone or Diamond finish)	19%	19%	38%	-
6 backed seats, stainless steel seat pan (Satin or Powdercoat finish)	30%	6%	36%	-
4 backless seats, extruded aluminum slats	33%	17%	50%	-
4 backless seats, FSC 100% ipé hardwood slats	33%	17%	50%	FSC 100%
4 backless seats, stainless steel seat pan (Sandstone or Diamond finish)	31%	26%	57%	-
4 backless seats, stainless steel seat pan (Satin or Powdercoat finish)	39%	16%	55%	-
6 backless seats, extruded aluminum slats	30%	19%	49%	-
6 backless seats, FSC 100% ipé hardwood slats	30%	19%	49%	FSC 100%
6 backless seats, stainless steel seat pan (Sandstone or Diamond finish)	28%	29%	57%	-
6 backless seats, stainless steel seat pan (Satin or Powdercoat finish)	38%	17%	55%	-
Stainless Steel Table Top with Diamond or Sandstone Finish				
4 backed seats, extruded aluminum slats	14%	19%	33%	-
4 backed seats, FSC 100% ipé hardwood slats	14%	19%	33%	FSC 100%
4 backed seats, stainless steel seat pan (Sandstone or Diamond finish)	13%	28%	41%	-
4 backed seats, stainless steel seat pan (Satin finish)	23%	17%	40%	-
6 backed seats, extruded aluminum slats	13%	16%	29%	-
6 backed seats, FSC 100% ipé hardwood slats	13%	16%	29%	FSC 100%
6 backed seats, stainless steel seat pan (Sandstone or Diamond finish)	11%	24%	35%	-
6 backed seats, stainless steel seat pan (Satin finish)	23%	14%	37%	-
4 backless seats, extruded aluminum slats	19%	33%	52%	-
4 backless seats, FSC 100% ipé hardwood slats	19%	33%	52%	FSC 100%
4 backless seats, stainless steel seat pan (Sandstone or Diamond finish)	18%	41%	59%	-
4 backless seats, stainless steel seat pan (Satin finish)	27%	31%	58%	-
6 backless seats, extruded aluminum slats	20%	31%	51%	-
6 backless seats, FSC 100% ipé hardwood slats	20%	31%	51%	FSC 100%
6 backless seats, stainless steel seat pan (Sandstone or Diamond finish)	18%	40%	58%	-
6 backless seats, stainless steel seat pan (Satin finish)	28%	29%	57%	-

FSC License Code: FSC-C004453

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. Recycled content is shown above for all standard options.

Green Building Standards continued

<p>LEED® v3</p> <p><i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction details.</p> <p><i>MR7: Certified Wood</i> - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).</p> <p><i>IEQp2: Environmental Tobacco</i> - this product may be used to help designate a smoking area away from doors, windows, and ventilation inlets.</p>
<p>LEED v4</p> <p><i>MRp2/MR5: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p><i>MR3: Sourcing of Raw Materials (wood)</i> – wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461). <i>(recycled content)</i> – this product contains recycled material. Recycled content is shown above for all standard options. <i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for details.</p> <p><i>EQp2: Environmental tobacco smoke control</i> - this product may be used to help designate a smoking area away from doors, windows, & ventilation inlets.</p> <p><i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.</p>
<p>Green Globes™</p> <p><i>3.5.2.2 Interior Fit-Outs</i> - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).</p> <p><i>3.5.4.1 Construction Waste</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p><i>3.5.6.3 Deconstruction and Disassembly</i> – this product can be disassembled to separate recyclable components</p> <p><i>3.7.2.1 Volatile Organic Compounds</i> - inherently non-emitting sources. Contact for details.</p> <p><i>3.7.2.9 Other Indoor Pollutants (Tobacco...)</i> - this product may be used to help designate a smoking area away from doors, windows, & ventilation inlets.</p>
<p>Estidama Pearl Rating System: Design & Construction, Version 1.0</p> <p><i>LBI-R2: Smoking Control</i> - this product may be used to help designate a smoking area away from doors, windows, and ventilation inlets.</p> <p><i>LBI-2.5: Material Emissions: Formaldehyde Reduction</i> – inherently non-emitting sources. Contact for details.</p> <p><i>SM-R1: Hazardous Material Elimination</i> – product contains no ACMs and no CCA-treated timber</p> <p><i>SM-R2/SM-13: Construction Waste Management</i> - packaging is designed to be reusable or recyclable. See below for details.</p> <p><i>SM-4: Design for Disassembly</i> - this product can be disassembled to separate recyclable components</p> <p><i>SM-12: Reused or Certified Timber</i> - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).</p>
<p>SITES v2 Rating System</p> <p><i>Materials P5.1: Eliminate threatened tree species</i> - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).</p> <p><i>Materials C5.3: Design for adaptability and disassembly</i> - this product can be disassembled to separate recyclable components</p> <p><i>Materials C5.5: Use recycled content materials</i> - this product contains recycled material. Recycled content is shown above for all standard options.</p> <p><i>Materials C5.6: Use regional materials</i> - this product is manufactured in Pittsburgh, PA. Contact for extraction information.</p> <p><i>Materials C5.7: Responsible extraction of raw materials</i> - Ipé hardwood used in this product is certified FSC 100% by the Forest Stewardship Council (SCS-COC-001461).</p> <p><i>HHWB C6.4: Support mental restoration</i> – this product can be used to provide outdoor seating.</p> <p><i>HHWB C6.6: Support social connection</i> – this product can be used to provide outdoor seating.</p> <p><i>HHWB C6.10: Minimize exposure to environmental tobacco smoke (ETS)</i> - this product may be used to help designate a smoking area away from doors, windows, and ventilation inlets.</p> <p><i>Construction C7.5: Divert construction and demolition materials from disposal</i> - packaging is designed to be reusable or recyclable. See below for details.</p>

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	

Product Materials continued

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
Nylon	Thermoplastic polymer used in many applications including mechanical parts, fabrics and rope.	4	0		x		x	
Stainless Steel	Steel that is alloyed with chromium and other metals to improve corrosion-resistance. *Scratch resistance is determined by finish selection.	3	4		x		x	x [#]
Wood – Ipé	Tropical hardwood valued for its appearance, strength, and high resistance to insects and decay. Native to Central and South America.	3	1	x				
*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.
Aluminum Treatment	Aluminum receives a treatment to improve corrosion resistance and coating adhesion.
Calandring	Metalworking process in which sheet metal is rolled out at room temperature, changing the molecular structure to make it harder and more resistant to scratching.
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.
Extruding	Process in which heated metal is pushed through a cross-sectional die to create a linear part with a specific shape.
Forming	A mechanical process used to alter the shape of metal.
Machining	A form of subtractive or additive manufacturing often requiring specialty tooling to physically remove or add material to achieve a desired geometry.
Metal Finishing	Applied using grinding/sanding wheels. Finishing produces a grained or brushed 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.
Welding	A process that joins two similar metals by causing coalescence. Usually accomplished by melting the work pieces and adding a filler material to form a pool of molten metal that cools to become a strong joint.
Wood Finishing	Wood is cut and sanded smooth. Finishes are applied to adjust the wood's color, enhance its appearance or to protect it from staining or weathering.
Wood Processing	Wood milled from trees and turned into lumber.

Packaging Materials

Material	Type	Description	Disposal
Cardboard	Box	Small or light products are packaged in cardboard boxes. Reused for shipping.	Reuse/Recycle
Cardboard	Spacer	Used to provide impact cushioning between a product and its package or between two products.	Reuse/Recycle
Foam	Sheets	Micro foam sheets are used to protect the finish on products.	Reuse
Plastic	Band	Banding is used to keep products secured to a pallet during transport.	Recycle
Plastic	Shrink wrap	Shrink wrap is used to protect the finish on products and also to hold padding to products.	Recycle
Steel	Band	Banding is used to keep products secured to a pallet during transport.	Recycle
Wood	Crate	Wood crates are made to fit onsite and are reused when possible. Wood scraps are recycled into mulch.	Reuse/Recycle
Wood	Pallet	Used in shipping. Reused onsite until no longer serviceable, then recycled.	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. We are an EPA SmartWay® Transport Partner.

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.	NA
Modularity	Components in this product can be replaced or updated without replacing the entire product.	NA
Tobacco Smoke Control	This product may be used to help designate a smoking area away from doors, windows, and ventilation inlets.	N/A
Wood Finishing	Wood in this product can be allowed to weather, but must be refinished with wood oil to retain the original look.	Wood oil

Disposal

Method	Description
Biodegradable	Some components of this product are biodegradable
Disassemble	Product can be disassembled to separate recyclable components
Recyclable - Fully	Components are fully recyclable
Recycling - Scrap	Materials can be sold for scrap
Reuse	This item can be reused in the same or different function

Forms+Surfaces is dedicated to environmental responsibility. We maintain an Environmental Management System and are continually working to improve our impact through efficiency, material selection, vendor education, employee involvement, and an unwavering commitment to being exemplary corporate citizens. If you would like additional information, please contact our Sustainability Team at green@forms-surfaces.com.