Tonyo Litter & Recycling Receptacles are ergonomic, low maintenance and easy to disassemble. The lid, side bar, base and supports are made of corrosion resistant aluminum. The stainless steel used for the internal frame, body and doors contains high recycled content. Powdercoat finishes are low- or no- VOC. FSC® 100% Cumaru hardwood is an option for body and doors. The aluminum, stainless steel and polyethylene components are 100% recyclable.

Recycled Content & Certifications

Configurations	Pre-Consumer Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3rd Party Certifications
30-gallon, single-stream, FSC 100% Cumaru hardwood body/door	contact	contact	contact	FSC 100%
30-gallon, single-stream, powdercoated stainless steel body/door	contact	contact	contact	-
30-gallon, split-stream, FSC 100% Cumaru hardwood body/door	contact	contact	contact	FSC 100%
30-gallon, split-stream, powdercoated stainless steel body/door	contact	contact	contact	-
36-gallon, single-stream, FSC 100% Cumaru hardwood body/door	contact	contact	contact	FSC 100%
36-gallon, single-stream, powdercoated stainless steel body/door	contact	contact	contact	
36-gallon, single-stream, FSC 100% Cumaru hardwood body/door, rain hat	contact	contact	contact	FSC 100%
36-gallon, single-stream, powdercoated stainless steel body/door, rain hat	contact	contact	contact	-
36-gallon, split-stream, FSC 100% Cumaru hardwood body/door	contact	contact	contact	FSC 100%
36-gallon, split-stream, powdercoated stainless steel body/door	contact	contact	contact	-
36-gallon, split-stream, FSC 100% Cumaru hardwood body/door, rain hat	contact	contact	contact	FSC 100%
36-gallon, split-stream, powdercoated stainless steel body/door, rain hat	contact	contact	contact	-
60-gallon, split-stream, FSC 100% Cumaru hardwood body/door	contact	contact	contact	FSC 100%
60-gallon, split-stream, powdercoated stainless steel body/door	contact	contact	contact	-
60-gallon, split-stream, FSC 100% Cumaru hardwood body/door, rain hat	contact	contact	contact	FSC 100%
60-gallon, split-stream, powdercoated stainless steel body/door, rain hat	contact	contact	contact	-

FSC License Code: FSC-C004453

Green Building Standards

LEED® v3

MRp2: Storage & Collection of Recyclables - litter & recycling receptacles can be customized to fit local waste & recycling streams.

MR2: Construction Waste Management – packaging is designed to be reusable or recyclable. See below for details.

MR4: Recycled Content – this product contains recycled material. Contact for details on recycled content.

MR5: Regional Materials – this product is manufactured in Pittsburgh, PA. Contact for details.

MR7: Certified Wood - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

LEED v4

MRp1: Storage & Collection of Recyclables - litter & recycling receptacles can be customized to fit local waste & recycling streams.

MRp2/MR5: Construction Waste Management – packaging is designed to be reusable or recyclable. See below for details.

MR3: Sourcing of Raw Materials (wood) – wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

(recycled content) – this product contains recycled material. Contact for details on recycled content.

(regional materials) – this product is manufactured in Pittsburgh, PA. Contact for details.

Green Globes™

3.5.2.2 Interior Fit-Outs - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

3.5.4.1 Construction Waste – packaging is designed to be reusable or recyclable. See below for details.

3.5.4.2 Operational Waste - litter & recycling receptacles can be customized to fit local waste & recycling streams.

3.5.6.3 Deconstruction and Disassembly – this product can be disassembled to separate recyclable components.

Green Building Standards Continued

Estidama Pearl Rating System: Design & Construction, Version 1.0

SM-R1: Hazardous Material Elimination – product contains no ACMs and no CCA-treated timber.

SM-R2/SM-13: Construction Waste Management - packaging is designed to be reusable or recyclable. See below for details.

SM-R3/SM-14: Operational Waste Management - litter & recycling receptacles can be customized to fit local waste & recycling streams.

SM-12: Reused or Certified Timber - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

SITES v2 Rating System

Materials P5.1: Wood from threatened tree species - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

Materials C5.3: Design for adaptability and disassembly - this product can be disassembled to separate recyclable components.

Materials C5.5: Use recycled content materials - this product contains recycled material. Contact for recycled content.

Materials C5.6: Use regional materials - this product is manufactured in Pittsburgh, PA. Contact for extraction information.

Materials C5.7: Responsible extraction of raw materials - wood used in this product is certified by the Forest Stewardship Council (SCS-COC-001461).

Construction C7.5: Divert construction and demolition materials from disposal - packaging is designed to be reusable or recyclable. See below for details.

O+M P8.2: Storage and collection of recyclables- litter & recycling receptacles can be customized to fit local waste & recycling streams.

O+M P8.3: Recycle organic matter- litter & recycling receptacles can be customized to fit local waste & recycling streams.

WELL Building Standard

Air – 11. Fundamental material safety – this product does not contain asbestos, lead or mercury. Please contact for details.

Air – 25. Toxic material reduction – this product does not contain PFCs, halogenated flame retardants, phthalates, isocyanate-based polyurethane or urea-formaldehyde. Please contact for details.

Air – 28. Cleanable Environment – some materials are corrosion-resistant and easily sanitized to maintain cleanliness. Contact 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	
Polycarbonate	Thermoplastic, petroleum-based polymer often used as a substitute for glass because of its high-impact strength, temperature-resistance and optical qualities.	4	0		x		x	
Polyethylene	Thermoplastic, petroleum-based polymer, used for a broad range of molded and extruded products.	4	0		x		x	
Stainless Steel	Steel that is alloyed with chromium and other metals to improve corrosion-resistance.	3	4		x		x	
Wood – FSC 100% Cumaru	Tropical hardwood prized for its insect-resistance, rot-resistance, beauty, and strength. Responsibly sourced from forests certified by the Forest Stewardship Council.	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.
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.
Digital UV Printing	A printing method in which a digital based image is printed directly to a variety of media with ultraviolet ink.
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.
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
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	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
Recycling	Receptacle is designed to maximize recycling rates through design, graphics, and signage placement.	NA
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
Disassemble	Product can be disassembled to separate recyclable components.
Recyclable	Receptacle components are recyclable. Local recycling options for Cumaru may vary.
Recycling - Scrap	Materials can be sold for scrap.
Reuse	This item can be reused in the same or different function.

SUMMARY- FSC 100% Cumaru Hardwood Body/Door

Category Type	Property/Component	30 gallon, single-stream	30 gallon, split-stream	36 gallon, single-stream	36 gallon, split-stream	60 gallon, split-stream
Basic	Total Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	Pre-Consumer Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	Post-Consumer Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	3rd Party Cert	FSC 100%	FSC 100%	FSC 100%	FSC 100%	FSC 100%
LEED v3	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED v3	MR: Construction Waste Management	x	x	x	x	x
LEED v3	MR: Recycled Content	Contact	Contact	Contact	Contact	Contact
LEED v3	MR: Regional Materials	Contact	Contact	Contact	Contact	Contact
LEED v3	MR: Certified Wood	x	x	x	x	x
LEED v4	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED v4	MR: Construction Waste Management	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls…wood	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls…recycled	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Sourcing of Raw Matls…regional matls	Contact	Contact	Contact	Contact	Contact
Green Globes	3.5.2.2 Interior Fit-Outs - wood	x	x	x	x	x
Green Globes	3.5.4.1 Construction Waste	x	x	x	x	x
Green Globes	3.5.4.2 Operational Waste	x	x	x	x	x
Green Globes	3.5.6.3 Deconstruction and Disassembly	x	x	x	x	x

ESTIDAMA	SM: Hazardous Material Elimination	x	x	x	x	x
ESTIDAMA	SM: Construction Waste Management	x	x	x	x	x
ESTIDAMA	SM: Operational Waste Management	x	x	x	x	x
ESTIDAMA	SM: Reused or Certified Timber	x	x	x	x	x
SITES	Materials: Threatened tree species	x	x	x	x	x

SUMMARY- FSC 100% Cumaru Hardwood Body/Door Continued

Category Type	Property/Component	30 gallon, single-stream	30 gallon, split-stream	36 gallon, single-stream	36 gallon, split-stream	60 gallon, split-stream
SITES	Materials: Design for disassembly	x	x	x	x	x
SITES	Materials: Recycled content materials	Contact	Contact	Contact	Contact	Contact
SITES	Materials: Regional materials	Contact	Contact	Contact	Contact	Contact
SITES	Materials: Extraction of raw materials - wood	x	x	x	x	x
SITES	Construction: Divert construction materials	x	x	x	x	x
SITES	O+M: Storage and collection of recyclables-	x	x	x	x	x
SITES	O+M: Recycle organic matter	x	x	x	x	x
WELL	Air – 11. Fundamental material safety	x	x	x	x	x
WELL	Air – 25. Toxic material reduction	x	x	x	x	x
WELL	Air – 28: Cleanable Environment	x	x	x	x	x
Materials	Aluminum	x	x	x	x	x
Materials	Polycarbonate	x	x	x	x	x
Materials	Polyethylene	x	x	x	x	x
Materials	Stainless Steel	x	x	x	x	x
Materials	Wood – FSC 100% Cumaru	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x
Processes	Aluminum Treatment	x	x	x	x	x
Processes	Casting	x	x	x	x	x
Processes	Cutting	x	x	x	x	x
Processes	Digital UV Printing	x	x	x	x	x
Processes	Extruding	x	x	x	x	x
Processes	Forming	x	x	x	x	x
Processes	Machining	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x
Processes	Sand Blasting	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x
Processes	Welding	x	x	x	x	x
Processes	Wood Finishing	x	x	x	x	x
Processes	Wood Processing	x	x	x	x	x
Packaging	Cardboard Box	x	x	x	x	x
Packaging	Foam Sheets	x	x	x	x	x
Packaging	Plastic Band	x	x	x	x	x
Packaging	Plastic Shrink Wrap	x	x	x	x	x

Packaging	Steel Band	x	x	x	x	x
Packaging	Wood Pallet	x	x	x	x	x
Transport	Boat - Overseas	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x

SUMMARY- FSC 100% Cumaru Hardwood Body/Door continued

Category Type	Property/Component	30 gallon, single-stream	30 gallon, split-stream	36 gallon, single-stream	36 gallon, split-stream	60 gallon, split-stream
Maintenance & Use	Recycling	x	x	x	x	x
Maintenance & Use	Wood Finishing	x	x	x	x	x
Disposal	Disassemble	x	x	x	x	x
Disposal	Recyclable	x	x	x	x	x
Disposal	Recycling - Scrap	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x

SUMMARY- Powdercoated Stainless Steel Body/Door

Category Type	Property/Component	30 gallon, single-stream	30 gallon, split-stream	36 gallon, single-stream	36 gallon, split-stream	60 gallon, split-stream
Basic	Total Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	Post-Industrial Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	Post-Consumer Recycled Content	Contact	Contact	Contact	Contact	Contact
Basic	3rd Party Cert	N/A	N/A	N/A	N/A	N/A
LEED v3	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED v3	MR: Construction Waste Management	x	x	x	x	x
LEED v3	MR: Recycled Content	Contact	Contact	Contact	Contact	Contact
LEED v3	MR: Regional Materials	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED v4	MR: Construction Waste Management	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls…recycled	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls…regional matls	Contact	Contact	Contact	Contact	Contact
Green Globes	3.5.4.1 Construction Waste	x	x	x	x	x
Green Globes	3.5.4.2 Operational Waste	x	x	x	x	x
Green Globes	3.5.6.3 Deconstruction and Disassembly	x	x	x	x	x
ESTIDAMA	SM: Hazardous Material Elimination	x	x	x	x	x
ESTIDAMA	SM: Construction Waste Management	x	x	x	x	x
ESTIDAMA	SM: Operational Waste Management	x	x	x	x	x
SITES	Materials: Design for disassembly	x	x	x	x	x
SITES	Materials: Recycled content materials	Contact	Contact	Contact	Contact	Contact
SITES	Materials: Regional materials	Contact	Contact	Contact	Contact	Contact

SITES	Construction: Divert construction materials	x	x	x	x	x
SITES	O+M: Storage and collection of recyclables-	x	x	x	x	x
SITES	O+M: Recycle organic matter	x	x	x	x	x
WELL	Air – 11. Fundamental material safety	x	x	x	x	x
WELL	Air – 25. Toxic material reduction	x	x	x	x	x
WELL	Air – 28: Cleanable Environment	x	x	x	x	x

SUMMARY- Stainless Steel Powdercoated Insets continued

Category Type	Property/Component	30 gallon, single-stream	30 gallon, split-stream	36 gallon, single-stream	36 gallon, split-stream	60 gallon, split-stream
Materials	Aluminum	x	x	x	x	x
Materials	Polycarbonate	x	x	x	x	x
Materials	Polyethylene	x	x	x	x	x
Materials	Stainless Steel	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x
Processes	Aluminum Treatment	x	x	x	x	x
Processes	Casting	x	x	x	x	x
Processes	Cutting	x	x	x	x	x
Processes	Digital UV Printing	x	x	x	x	x
Processes	Extruding	x	x	x	x	x
Processes	Forming	x	x	x	x	x
Processes	Machining	x	x	x	x	x
Processes	Metal Finishing	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x
Processes	Sand Blasting	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x
Processes	Welding	x	x	x	x	x
Packaging	Cardboard Box	x	x	x	x	x
Packaging	Foam Sheets	x	x	x	x	x
Packaging	Plastic Band	x	x	x	x	x
Packaging	Plastic Shrink Wrap	x	x	x	x	x
Packaging	Steel Band	x	x	x	x	x
Packaging	Wood Pallet	x	x	x	x	x
Transport	Boat - Overseas	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x
Maintenance & Use	Recycling	x	x	x	x	x
Disposal	Disassemble	x	x	x	x	x
Disposal	Recyclable	x	x	x	x	x
Disposal	Recycling - Scrap	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x

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 on our Environmental Management System or our company environmental initiatives and policies, please feel free to contact our Sustainability Team at green@forms-surfaces.com.