

Transit Litter & Recycling Receptacles are ergonomic, low maintenance and easy to disassemble. The body and frame are made from corrosion resistant aluminum and stainless steel with high recycled content. The lid is made of polyethylene or cast aluminum with a low- or no- VOC powdercoat finish. All materials are 100% recyclable.

Recycled Content & Certifications

Configurations	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
Dual-Stream				
Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	20%	40%	60%	-
Stainless Steel Satin Body, Polyethylene Lid	53%	2%	55%	-
Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	29%	39%	68%	-
Stainless Steel Satin Body, Cast Aluminum Lid	58%	4%	62%	-
Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	34%	35%	69%	-
Stainless Steel Satin Body, , Cast Aluminum Lid, Rain Cover	60%	5%	65%	-
Tri-Stream				
Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	20%	40%	60%	-
Stainless Steel Satin Body, Polyethylene Lid	53%	2%	55%	-
Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	29%	39%	68%	-
Stainless Steel Satin Body, Cast Aluminum Lid	58%	4%	62%	-
Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	34%	35%	69%	-
Stainless Steel Satin Body, Cast Aluminum Lid, Rain Cover	60%	5%	65%	-

Green Building Standards

<p>LEED® v3</p> <p><i>MRp2: Storage & Collection of Recyclables</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.</p> <p><i>MR2: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p><i>MR4: Recycled Content</i> – this product contains recycled material. Contact for details.</p> <p><i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for details.</p>
<p>LEED v4</p> <p><i>MRp1: Storage & Collection of Recyclables</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.</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 (recycled content)</i> – this product contains recycled material. Contact for details.</p> <p><i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for details.</p> <p><i>MR4: Material Ingredients</i> – this product has a Health Product Declaration. Contact for details.</p> <p><i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.</p>
<p>Green Globes™</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>3.5.4.2 Operational Waste</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.</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>Estidama Pearl Rating System: Design & Construction, Version 1.0</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-R3/SM-14: Operational Waste Management</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.</p>

Green Building Standards continued

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>Materials C5.8: Support transparency and safer chemistry</i> - this product has a Health Product Declaration. Contact for details.
<i>Construction C7.5: Divert construction and demolition materials from disposal</i> - packaging is designed to be reusable or recyclable. See below for details.
<i>O+M P8.2: Storage and collection of recyclables</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.
<i>O+M P8.3: Recycle organic matter</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.

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	

*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	A process in which aluminum is coated in a thin layer of trivalent chromate to improve corrosion resistance and coating adhesion.
Calendaring	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.
Graphics	Digital UV printing and paint are used to create instructional graphics.
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 or polishing wheels. Finishing produces a grained/brushed or mirror-like finish on the surface, and depending on the material will increase corrosion resistance.

Processes continued

Process	Description
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.

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

Disposal

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

SUMMARY - Dual-Stream

Category Type	Property/Component	Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	Stainless Steel Satin Body, Polyethylene Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	Stainless Steel Satin Body, Cast Aluminum Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	Stainless Steel Satin Body, Cast Aluminum Lid, Rain Cover
Basic	Post-Industrial Recycled Content	20%	53%	29%	58%	34%	60%
Basic	Post-Consumer Recycled Content	40%	2%	39%	4%	35%	5%
Basic	Total Recycled Content	60%	55%	68%	62%	69%	65%
Basic	3rd Party Cert	N/A	N/A	N/A	N/A	N/A	N/A
LEED v3	MR: Storage & Collection of Recyclables	x	x	x	x	x	x
LEED v3	MR: Construction Waste Management	x	x	x	x	x	x
LEED v3	MR: Recycled Content	x	x	x	x	x	x
LEED v3	MR: Regional Materials	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Storage & Collection of Recyclables	x	x	x	x	x	x
LEED v4	MR: Construction Waste Management	x	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls...recycled	x	x	x	x	x	x
LEED v4	MR: Sourcing of Raw...regional matls	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Material Ingredients	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	EQ: Low-emitting Materials	Contact	Contact	Contact	Contact	Contact	Contact
Green Globes	3.5.4.1 Construction Waste	x	x	x	x	x	x
Green Globes	3.5.4.2 Operational Waste	x	x	x	x	x	x
Green Globes	3.5.6.3 Deconstruction and Disassembly	x	x	x	x	x	x
Green Globes	3.7.2.1 Volatile Organic Compounds	Contact	Contact	Contact	Contact	Contact	Contact
ESTIDAMA	LBI: Material Emissions	Contact	Contact	Contact	Contact	Contact	Contact
ESTIDAMA	SM: Hazardous Material Elimination	x	x	x	x	x	x
ESTIDAMA	SM: Construction Waste Management	x	x	x	x	x	x
ESTIDAMA	SM: Operational Waste Management	x	x	x	x	x	x
SITES	Materials: Design for disassembly	x	x	x	x	x	x
SITES	Materials: Recycled content materials	x	x	x	x	x	x
SITES	Materials: Regional materials	Contact	Contact	Contact	Contact	Contact	Contact
SITES	Materials: Transparency ...	Contact	Contact	Contact	Contact	Contact	Contact
SITES	Construction: Divert construction materials	x	x	x	x	x	x
SITES	O+M: Storage & collection of recyclables	x	x	x	x	x	x
SITES	O+M: Recycle organic matter	x	x	x	x	x	x
Materials	Aluminum	x	x	x	x	x	x
Materials	Polycarbonate	x	x	x	x	x	x
Materials	Polyethylene	x	x	x	x	x	x
Materials	Stainless Steel	x	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x	x
Processes	Aluminum Treatment	x	x	x	x	x	x
Processes	Calendaring	x		x		x	
Processes	Casting	x	x	x	x	x	x
Processes	Cutting	x	x	x	x	x	x

SUMMARY - Dual-Stream continued

Category Type	Property/Component	Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	Stainless Steel Satin Body, Polyethylene Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	Stainless Steel Satin Body, Cast Aluminum Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	Stainless Steel Satin Body, Cast Aluminum Lid, Rain Cover
Processes	Extruding	x	x	x	x	x	x
Processes	Forming	x	x	x	x	x	x
Processes	Graphics	x	x	x	x	x	x
Processes	Machining					x	x
Processes	Metal Finishing		x		x		x
Processes	Plastics Manufacture	x	x	x	x	x	x
Processes	Powdercoating			x	x	x	x
Processes	Sand Blasting	x	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x	x
Processes	Welding	x	x	x	x	x	x
Packaging	Cardboard Box	x	x	x	x	x	x
Packaging	Foam Sheets	x	x	x	x	x	x
Packaging	Plastic Band	x	x	x	x	x	x
Packaging	Plastic Shrink Wrap	x	x	x	x	x	x
Packaging	Steel Band	x	x	x	x	x	x
Packaging	Wood Pallet	x	x	x	x	x	x
Transport	Boat - Overseas	x	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x	x
Maint. & Use	Clean with Water and Mild Cleaner	x	x	x	x	x	x
Maint. & Use	Ergonomic	x	x	x	x	x	x
Maint. & Use	Recycling	x	x	x	x	x	x
Disposal	Disassemble	x	x	x	x	x	x
Disposal	Recyclable - Fully	x	x	x	x	x	x
Disposal	Recycling - Scrap	x	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x	x

SUMMARY- Tri-Stream

Category Type	Property/Component	Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	Stainless Steel Satin Body, Polyethylene Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	Stainless Steel Satin Body, Cast Aluminum Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	Stainless Steel Satin Body, Cast Aluminum Lid, Rain Cover
Basic	Post-Industrial Recycled Content	20%	53%	29%	58%	34%	60%
Basic	Post-Consumer Recycled Content	40%	2%	39%	4%	35%	5%
Basic	Total Recycled Content	60%	55%	68%	62%	69%	65%
Basic	3rd Party Cert	N/A	N/A	N/A	N/A	N/A	N/A
LEED v3	MR: Storage & Collection of Recyclables	x	x	x	x	x	x
LEED v3	MR: Construction Waste Management	x	x	x	x	x	x
LEED v3	MR: Recycled Content	x	x	x	x	x	x
LEED v3	MR: Regional Materials	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Storage & Collection of Recyclables	x	x	x	x	x	x
LEED v4	MR: Construction Waste Management	x	x	x	x	x	x
LEED v4	MR: Sourcing of Raw Matls...recycled	x	x	x	x	x	x
LEED v4	MR: Sourcing of Raw...regional matls	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	MR: Material Ingredients	Contact	Contact	Contact	Contact	Contact	Contact
LEED v4	EQ: Low-emitting Materials	Contact	Contact	Contact	Contact	Contact	Contact
Green Globes	3.5.4.1 Construction Waste	x	x	x	x	x	x
Green Globes	3.5.4.2 Operational Waste	x	x	x	x	x	x
Green Globes	3.5.6.3 Deconstruction and Disassembly	x	x	x	x	x	x
Green Globes	3.7.2.1 Volatile Organic Compounds	Contact	Contact	Contact	Contact	Contact	Contact
ESTIDAMA	LBI: Material Emissions	Contact	Contact	Contact	Contact	Contact	Contact
ESTIDAMA	SM: Hazardous Material Elimination	x	x	x	x	x	x
ESTIDAMA	SM: Construction Waste Management	x	x	x	x	x	x
ESTIDAMA	SM: Operational Waste Management	x	x	x	x	x	x
SITES	Materials: Design for disassembly	x	x	x	x	x	x
SITES	Materials: Recycled content materials	x	x	x	x	x	x
SITES	Materials: Regional materials	Contact	Contact	Contact	Contact	Contact	Contact
SITES	Materials: Transparency ...	Contact	Contact	Contact	Contact	Contact	Contact
SITES	Construction: Divert construction materials	x	x	x	x	x	x
SITES	O+M: Storage & collection of recyclables	x	x	x	x	x	x
SITES	O+M: Recycle organic matter	x	x	x	x	x	x
Materials	Aluminum	x	x	x	x	x	x
Materials	Polycarbonate	x	x	x	x	x	x
Materials	Polyethylene	x	x	x	x	x	x
Materials	Stainless Steel	x	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x	x
Processes	Aluminum Treatment	x	x	x	x	x	x
Processes	Calendaring	x		x		x	
Processes	Casting	x	x	x	x	x	x
Processes	Cutting	x	x	x	x	x	x

SUMMARY- Tri-Stream continued

Category Type	Property/Component	Stainless Steel Sandstone, Linen or Diamond Body, Polyethylene Lid	Stainless Steel Satin Body, Polyethylene Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid	Stainless Steel Satin Body, Cast Aluminum Lid	Stainless Steel Sandstone, Linen or Diamond Body, Cast Aluminum Lid, Rain Cover	Stainless Steel Satin Body, Cast Aluminum Lid, Rain Cover
Processes	Extruding	x	x	x	x	x	x
Processes	Forming	x	x	x	x	x	x
Processes	Graphics	x	x	x	x	x	x
Processes	Machining					x	x
Processes	Metal Finishing		x		x		x
Processes	Plastics Manufacture	x	x	x	x	x	x
Processes	Powdercoating			x	x	x	x
Processes	Sand Blasting	x	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x	x
Processes	Welding	x	x	x	x	x	x
Packaging	Cardboard Box	x	x	x	x	x	x
Packaging	Foam Sheets	x	x	x	x	x	x
Packaging	Plastic Band	x	x	x	x	x	x
Packaging	Plastic Shrink Wrap	x	x	x	x	x	x
Packaging	Steel Band	x	x	x	x	x	x
Packaging	Wood Pallet	x	x	x	x	x	x
Transport	Boat - Overseas	x	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x	x
Maint. & Use	Clean with Water and Mild Cleaner	x	x	x	x	x	x
Maint. & Use	Ergonomic	x	x	x	x	x	x
Maint. & Use	Recycling	x	x	x	x	x	x
Disposal	Disassemble	x	x	x	x	x	x
Disposal	Recyclable - Fully	x	x	x	x	x	x
Disposal	Recycling - Scrap	x	x	x	x	x	x
Disposal	Reuse	x	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.