

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

**Recycled Content & Certifications**

Configurations	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 <sup>rd</sup> Party Certifications
Axis Receptacle, stainless steel – Sandstone or Diamond finish, 32-gallon liner	33%	35%	68%	-
Axis Receptacle, stainless steel – Satin finish, 32-gallon liner	61%	2%	63%	-

**Green Building Standards**

<p><b>LEED® v3</b></p> <p><i>MRp2: Storage &amp; Collection of Recyclables</i> - litter &amp; recycling receptacles can be customized to fit local waste &amp; 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. Recycled content is shown above.</p> <p><i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for details.</p>
<p><b>LEED v4</b></p> <p><i>MRp1: Storage &amp; Collection of Recyclables</i> - litter &amp; recycling receptacles can be customized to fit local waste &amp; 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. Recycled content is shown above.</p> <p><i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for details.</p> <p><i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.</p>
<p><b>Green Globes™</b></p> <p>3.5.4.1 <i>Construction Waste</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p>3.5.4.2 <i>Operational Waste</i> - litter &amp; recycling receptacles can be customized to fit local waste &amp; recycling streams.</p> <p>3.5.6.3 <i>Deconstruction and Disassembly</i> – this product can be disassembled to separate recyclable components.</p> <p>3.7.2.1 <i>Volatile Organic Compounds</i> - inherently non-emitting sources. Contact for details.</p>
<p><b>Estidama Pearl Rating System: Design &amp; Construction, Version 1.0</b></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 &amp; recycling receptacles can be customized to fit local waste &amp; recycling streams.</p>
<p><b>SITES v2 Rating System</b></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.</p> <p><i>Materials C5.6: Use regional materials</i> - this product is manufactured in Pittsburgh, PA. Contact for extraction information.</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> <p><i>O+M P8.2: Storage and collection of recyclables</i>- litter &amp; recycling receptacles can be customized to fit local waste &amp; recycling streams.</p> <p><i>O+M P8.3: Recycle organic matter</i>- litter &amp; recycling receptacles can be customized to fit local waste &amp; recycling streams.</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	
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.
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.
Digital UV Printing	A printing method in which a digital based image is printed directly to a variety of media with ultraviolet ink.
Forming	A mechanical process used to alter the shape of metal.
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.

**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

**Packaging Materials continued**

Material	Type	Description	Disposal
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.

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](mailto:green@forms-surfaces.com).