

Bevel Litter Receptacle is constructed of TENSL ultra high performance concrete (UHPC) and powdercoated aluminum. TENSL UHPC provides exceptional strength and durability and is composed primarily of natural materials. The receptacle has an extremely long service life requiring minimal maintenance. Resource efficient, low energy TENSL manufacturing processes are located in the USA and utilize raw materials local to manufacturing. Bevel Litter Receptacle components can be disassembled at the end of life and are fully recyclable.

Recycled Content & Certifications

	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
Configurations Bevel Litter Receptacle	contact	contact	contact	-

Green Building Standards

LEED® v3
<i>MRp2: Storage & Collection of Recyclables</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.
<i>MR2: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. Contact for details.
<i>MR4: Recycled Content</i> – this product may contain recycled material. Contact for additional information.
<i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.
LEED v4
<i>MRp1: Storage & Collection of Recyclables</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.
<i>MRp2/MR5: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. Contact for details.
<i>MR3: Sourcing of Raw Materials (recycled content)</i> – this product may contain recycled material. Contact for additional information.
<i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.
<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. Contact for details.
<i>3.5.4.2 Operational Waste</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.
<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>LBI-2.5: Material Emissions: Formaldehyde Reduction</i> – inherently non-emitting sources. Contact for details.
<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. Contact for details.
<i>SM-R3/SM-14: Operational Waste Management</i> - litter & recycling receptacles can be customized to fit local waste & recycling streams.
<i>SM-10: Recycled Materials</i> - this product may contain recycled material. Contact for additional information.
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 may contain recycled material. Contact for additional information.
<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. Contact 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.

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	
Polyethylene	Thermoplastic, petroleum-based polymer, used for a broad range of molded and extruded products.	4	0		x		x	
TENSL UHPC	Densely packed concrete matrix with strong chemical bonds and low water absorption yielding extremely high compressive, tensile and flexural strength. Exhibits a ceramic-like surface with integral pigment that stands up to water, salt and corrosive environmental contaminants.	5	1		x		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	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.
Concrete Casting	Process of mixing concrete, filling molds, and curing the material in ambient or moderately climate-controlled environment.
Concrete Mold Making	Process of constructing reusable molds for forming concrete from a variety of materials, including wood, metal, and composites.
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.

Transport

Method	Type	Description
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.	N/A
Recycling	Receptacle is designed to maximize recycling rates through design, graphics, and signage placement.	N/A

Disposal

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

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