

The Bike Garden Bike Rack is a secure, low maintenance bike rack that can be used to accommodate alternative transportation. The corrosion-resistant stainless steel is 100% recyclable and contains high recycled content. All powdercoat finishes are low- or no-VOC.

**Recycled Content & Certifications**

<b>Configurations</b>	<b>Post-Industrial Recycled Content</b>	<b>Post-Consumer Recycled Content</b>	<b>Total Recycled Content</b>	<b>3<sup>rd</sup> Party Certifications</b>
Bike Garden Bike Rack 162, cast-in-place, 16.2"	74%	1%	75%	-
Bike Garden Bike Rack 208, cast-in-place, 20.8"	72%	1%	73%	-
Bike Garden Bike Rack 254, cast-in-place, 25.3"	72%	1%	73%	-
Bike Garden Bike Rack 300, cast-in-place, 29.9"	71%	1%	72%	-
Bike Garden Bike Rack 344, cast-in-place, 34.4"	71%	0%	71%	-
Bike Garden Bike Rack 391, cast-in-place, 39.1"	70%	0%	70%	-
Bike Garden Bike Racks Configuration A, cast-in-place	71%	1%	72%	-
Bike Garden Bike Racks Configuration B, cast-in-place	71%	1%	72%	-
Bike Garden Bike Racks Configuration C, cast-in-place	71%	1%	72%	-
Bike Garden Bike Rack 162, surface mount, 18.0"	77%	1%	78%	-
Bike Garden Bike Rack 208, surface mount, 22.6"	75%	1%	76%	-
Bike Garden Bike Rack 254, surface mount, 27.1"	73%	1%	74%	-
Bike Garden Bike Rack 300, surface mount, 31.8"	72%	1%	73%	-
Bike Garden Bike Rack 344, surface mount, 36.1"	72%	0%	72%	-
Bike Garden Bike Rack 391, surface mount, 40.9"	71%	1%	72%	-
Bike Garden Bike Racks Configuration A, surface mount	73%	1%	74%	-
Bike Garden Bike Racks Configuration B, surface mount	73%	1%	74%	-
Bike Garden Bike Racks Configuration C, surface mount	73%	1%	74%	-

**Green Building Standards**

<b>LEED® v3</b>
<p><i>SS4: Alternative Transportation</i> – secure bike racks can accommodate alternative transportation.</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 for all standard options.</p> <p><i>MR5: Regional Materials</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.</p>
<b>LEED v4</b>
<p><i>LT6: Bicycle Facilities</i> – secure bike racks can accommodate alternative transportation.</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 for all standard options.</p> <p><i>(regional materials)</i> – this product is manufactured in Pittsburgh, PA. Contact for extraction information.</p> <p><i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.</p>
<b>Green Globes™</b>
<p><i>3.3.10 Energy Efficient Transportation</i> – secure bike racks can accommodate alternative transportation.</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>

**Green Building Standards continued**

<p><b>Estidama Pearl Rating System: Design &amp; Construction, Version 1.0</b></p> <p><i>LBo-7: Bicycle Facilities</i> – secure bike racks can accommodate alternative transportation.</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>
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**Product Materials**

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Weather Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
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
Casting	The process of creating a solid object by pouring molten metal into a mold and allowing it to cool.
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.
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 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	Wood pallets are purchased for use in shipping. Pallets are reused onsite until no longer serviceable, at which point they are 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
Alternative Transportation	Secure bike racks can accommodate alternative transportation	N/A
Clean with Water and Mild Cleaner	This product requires a damp cloth and a mild, nontoxic cleaner for maintenance.	Mild, water-based cleaner

**Disposal**

Method	Description
Disassemble	Product can be disassembled to separate recyclable components
Recyclable - Fully	All product components can be recycled
Recycling - Scrap	Materials can be sold for scrap
Reuse	Surface mount configurations may be able to 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 if you don't see the information you need for your project on this page, please contact our Sustainability Team at [green@forms-surfaces.com](mailto:green@forms-surfaces.com).