

Eleven Bike Racks pair the exceptional performance of stainless steel with colorful design options. Bike racks consist of two tubular elements, a top plate and a base plate (surface-mount models)—all in stainless steel. Each can be specified in a powdercoat color or Satin finish, with the ability to mix and match finishes/colors on individual bike racks. Eleven is inherently non-emitting, has high recycled content, and is highly recyclable.

Recycled Content & Certifications

Configurations	Pre-Consumer Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
Eleven Bike Rack	66%	0%	66%	-

Green Building Standards

<p>LEED® v3</p> <p><i>SS4: Alternative Transportation – Bicycle Storage</i> – secure bike racks can be provided to 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. Extraction information unavailable.</p>
<p>LEED v4</p> <p><i>LT6: Bicycle Facilities</i> – secure bike racks can be provided to 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.</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>Green Globes™</p> <p><i>3.3.10.5 Bicycle Parking</i> – secure bike racks can be provided to 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>
<p>Estidama Pearl Rating System: Design & Construction, Version 1.0</p> <p><i>Lbo-7: Bicycle Facilities</i> – secure bike racks can be provided to accommodate alternative transportation.</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-4: Design for Disassembly</i> - this product can be disassembled to separate recyclable components</p>

Green Building Standards (continued)

<p>SITES v2 Rating System</p>

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. Recycled content is shown above for all standard options.

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

HHWB C6.5: Support physical activity – secure bike racks can be used to support physical activity.

HHWB C6.9: Encourage fuel efficient and multi-modal transportation - secure bike racks can be accommodate alternative transportation

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

WELL Building Standard

Air – 11: Fundamental material safety – please contact for details.

Air – 25: Toxic material reduction – please contact for details.

Air – 28: Cleanable Environment – product materials facilitate easy cleaning.

Fitness – 67: Exterior active design – this product can help support occupant activity.

Product Materials

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear 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.
Cutting	A variety of methods may be used to cut through various materials.
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.
Metal Finishing	Applied using grinding/sanding wheels. Finishing produces a grained or brushed 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 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	Crate	Wood crates are made to fit onsite and are reused when possible. Wood scraps are recycled into mulch.	Reuse/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 may be 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
Biodegradable	Wood components of this product are biodegradable.
Disassemble	Product can be disassembled to separate recyclable components.
Recyclable	Product components are recyclable. Local recycling options for Cumaru/Thermally Modified Red Oak may vary.
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.