TRIO™ BIKE RACK CONFIGURATIONS	Total Recycled Content	Post-Industrial Recycled Content	Post-Consumer Recycled Content
Trio™ Bike Rack	94%	75%	19%

GREEN BUILDING STANDARDS

LEED®

This product can apply to the LEED credits outlined below. In order to provide knowledgeable assistance to our customers, we also have a LEED Accredited Professional on staff. If you don't see the information you need for your project on this page, you can contact our LEED AP by e-mailing green@forms-surfaces.com.

- **SS: Alternative Transportation** – Secure bike racks can accommodate alternative transport.
- **MR: Recycled Content** – This product contains recycled material. Recycled content information is available above for all standard products and by advance request for any custom product.
- **MR: Regional Materials** – We have manufacturing facilities in Pittsburgh, PA (15223), Carpinteria, CA (93013), Phoenix, AZ (84043), Santa Fe Springs, CA (90605) and Pune, India. Please contact us for more information.

LEED® India

This product can apply to one or more LEED India credits, as outlined below. If you don't see the information you need for your project on this page, you can contact us by e-mailing green@forms-surfaces.com.

- **MR: Recycled Content** – This product contains recycled material. Recycled content information is available above for all standard products and by advance request for any custom product.
- **MR: Local/Regional Materials** – We have manufacturing facilities in Pittsburgh, PA (15223), Carpinteria, CA (93013), Phoenix, AZ (84043), Santa Fe Springs, CA (90605) and Pune, India. Please contact us for more information.

Green Globes™

This product can apply to one or more Green Globes credits, as outlined below. Our sustainability team is knowledgeable about the Green Globes standards, so please feel free to contact us at green@forms-surfaces.com should you need more information.

- **7.1.1.3 Secured Bicycle Parking** – Secure bike racks can accommodate alternative transport.
- **10.2.2.1 Recycled Content** – This product contains recycled material. Recycled content information is shown above for all of our standard options. Custom product recycled content is available by advance request.
- **10.2.4.1 Transportation of Manufactured Materials** – We have manufacturing facilities in Pittsburgh, PA (15223), Carpinteria, CA (93013), Phoenix, AZ (84043), Santa Fe Springs, CA (90605) and Pune, India. Please contact us for more information.

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Estidama

This product can apply to the Estidama credits outlined below. We are familiar with the Estidama standards, so please feel free to contact us at green@forms-surfaces.com should you need additional information.

- **ADMAT1: Materials Specification - Major Building Elements – Recycled** – This product contains recycled material. Recycled content information is available above for all standard products and by advance request for any custom product.
- **ADMAT5: Sustainable Materials Sourcing** – Many of our products are manufactured with environmental sensitivity in mind. Contact us for more information.
- **ADT3: Travel Plan** – Secure bike racks can accommodate alternative transport.
- **ADWAS1: Reduction of Waste** – Most of our products are recyclable. Full disposal information is available below.

PRODUCT MATERIALS

Material	Type	Description	Mainte-nance (0-5)*	Inherent Value (0-5)**	Scratch Resistant	Corrosion/ Wear Resistant	Biodegradable	Rapidly Renewable	Recyclable
Aluminum	Cast	Solid aluminum cast in a mold to create a desired shape.	3	3		x			x
Stainless Steel	Plate	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.

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PROCESSES

F+S Facility Processes	Process Description	Vendor Facility Processes	Process Description
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.	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.
Water Jet Cutting	A water jet cut utilizes water and a mixture of abrasives (garnet) at high pressure and velocity in order to carve/cut the material. Can be used to machine a large variety of materials, including heat sensitive or delicate materials. It produces no heat damage to the cutting area, and can yield a smooth edge finish when using the proper operating speed.	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.
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.	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.
		Vacuum Casting	A two part mold is formed out of sand and plastic sheet held in place by vacuum. Molten metal is poured into the mold and allowed to cool. When the vacuum releases, the sand falls away and the part is left.

PACKAGING MATERIALS

Material	Type	Description	Disposal
Cardboard	Box	Small or light products are packaged in cardboard boxes. We often reuse boxes for shipping.	Recycle
Cardboard	Shredded	Shredded cardboard is made onsite from incoming cardboard boxes and padding. The shredded cardboard is used to package outgoing shipments.	Recycle
Plastic	Wrap	Plastic wrap is used to protect the finish on products and also to hold padding to products. Clean plastic wrap is recyclable.	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.

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MAINTENANCE & USE

Maintenance or Use	Description	Chemicals Required
Alternative Transportation	Secure bike racks can accommodate alternative transport.	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	This item can be reused in the same or different function.

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SUMMARY

Category Type	Property/Component	Trio™ Bike Rack
Basic	Total Recycled Content	94%
Basic	Post-Industrial Recycled Content	75%
Basic	Post-Consumer Recycled Content	19%
LEED	SS: Alternative Transportation	x
LEED	MR: Recycled Content	x
LEED	MR: Regional Materials	x
LEED India	MR: Recycled Content	x
LEED India	MR: Local/Regional Materials	x
Green Globes	7.1.1.3 Secured Bicycle Parking	x
Green Globes	10.2.2.1 Recycled Content	x
Green Globes	10.2.4.1 Transport Manufactured Matls	x
Estidama	ADMAT1: Matls Spec – Major Bldg Elmts	x
Estidama	ADMAT5: Sustainable Materials Sourcing	x
Estidama	ADT3: Travel Plan	x
Estidama	ADWAS1: Reduction of Waste	x
Materials	Aluminum – Cast	x
Materials	Stainless Steel Plate	x
Processes	Aluminum Making	x
Processes	Powdercoating	x
Processes	Sand Blasting	x
Processes	Steel Making	x
Processes	Vacuum Casting	x
Processes	Water Jet Cutting	x
Processes	Welding	x
Packaging	Cardboard – Box	x
Packaging	Cardboard – Shredded	x
Packaging	Plastic – Wrap	x
Transport	Boat – Overseas	x
Transport	Ground – Truck/Rail	x
Maintenance and Use	Alternative Transportation	x
Maintenance and Use	Clean with Water and Mild Cleaner	x
Disposal	Disassemble	x
Disposal	Recyclable – Fully	x
Disposal	Recycling – Scrap	x
Disposal	Reuse	x

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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.

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