



URBAN RENAISSANCE™ LITTER & RECYCLING RECEPTACLE CONFIGURATIONS	Total Recycled Content	Post-Industrial Recycled Content	Post-Consumer Recycled Content
36-Gallon Top Opening	56%	56%	0%
36-Gallon Side Opening	55%	55%	0%
36-Gallon Side Opening, Ash Lid	55%	55%	0%
36-Gallon Side Opening Recycle Bin	59%	59%	0%
36-Gallon Side Opening Recycle Bin, Ash Lid	58%	58%	0%
36-Gallon Side Opening, Split-Stream	55%	55%	0%
36-Gallon Side Opening, Split-Stream, Ash Lid	55%	55%	0%
45-Gallon Top Opening	57%	57%	0%
45-Gallon Side Opening	58%	58%	0%
45-Gallon Side Opening, Ash Lid	57%	57%	0%
45-Gallon Side Opening, Split-Stream	58%	58%	0%
45-Gallon Side Opening, Split-Stream, Ash Lid	57%	57%	0%

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.

- **MR: Storage & Collection of Recyclables** – Litter and recycling receptacles are available for any type of application and can be customized to fit local recycling streams.
- **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.
- **EQ: Environmental Tobacco Smoke Control** – Use this product to help designate a smoking area away from doors, windows, and ventilation inlets.

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: Storage & Collection of Recyclables** – Litter and recycling receptacles are available for any type of application and can be customized to fit local recycling streams.
- **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 Pune, India. Please contact us for more information.
- **EQ: Environmental Tobacco Smoke Control** – Use this product to help designate a smoking area away from doors, windows, and ventilation inlets.

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.

- **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.
- **10.5 Recycling of Waste** – Litter and recycling receptacles are available for any type of application and can be customized to fit local recycling streams.

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.
- **ADWAS1: Reduction of Waste** – Most of our products are recyclable. Full disposal information is available below.
- **ADWAS2: Storage for Recyclable Waste** – Litter and recycling receptacles are available for any type of application and can be customized to fit local recycling streams.

PRODUCT MATERIALS

Material	Type	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Scratch-Resistant	Corrosion/Wear Resistant	Biodegradable	Rapidly Renewable	Recyclable
Aluminum	Tube	Light weight and corrosion-resistant metal that is formed by extruding.	3	3		x			x
Polymer	Polyethylene	Thermoplastic, petroleum-based polymer, used for a broad range of molded and extruded products.	4	0		x			x
Stainless Steel	Sheet and Tube	Steel that is alloyed with chromium and other metals to improve corrosion-resistance. Formed by rolling or extruding.	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

F+S Facility Processes	Process Description	Vendor Facility Processes	Process Description
Impression	Creates three-dimensional images/patterns onto a material by pressing the substrate between two patterns using pressure.	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.
Laser Cutting	A powerful, computer-controlled laser is used to precisely cut shapes or designs into metal.	Extrusion	Process in which heated metal is pushed through a cross-sectional die to create a linear part with a specific shape.
Metal Punching	A mechanical process where a die tool creates a hole in the material using velocity and pressure. This is an efficient alternative to laser cutting or water jet cutting when patterns to be placed into the material are small and numerous.	Metal Spinning	A metal working process in which a tube or sheet of metal is rotated on a single axis to form an axially symmetric part.
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	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.
Roll Forming	A mechanical process in which material is passed through a set of rolls in order to form a continuous curved bend in the material. Typically a set of three rolls is required to apply pressure at necessary points in the material to achieve the desired radius.	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. We often reuse boxes for shipping.	Recycle
Foam	Sheets	Microfoam sheets are used to protect the finish on products.	Reuse
Foam	Soy Sheets	Soy foam sheets are used to protect the finish on products.	Biodegradable
Plastic	Shrink Wrap	Shrink wrap is used to protect the finish on products and also to hold padding to products. Clean shrink wrap is recyclable.	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.

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
Tobacco Smoke Control	This product may be used to help designate a smoking area away from doors, windows, and ventilation inlets.	NA

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.

SUMMARY – 36-Gallon – Dallas Grillwork

Category Type	Property/Component	36-Gal Top Opening	36-Gal Side Opening	36-Gal Side Opening, Ash Lid	36 Gal Side Opening Recycle Bin	36-Gal Side Opening, Recycle Bin, Ash Lid	36-Gallon Side Opening, Split-Stream	36-Gallon Side Opening, Split-Stream, Ash Lid
Basic	Total Recycled Content	56%	55%	55%	59%	58%	55%	55%
Basic	Post-Industrial Recycled Content	56%	55%	55%	59%	58%	55%	55%
Basic	Post-Consumer Recycled Content	0%	0%	0%	0%	0%	0%	0%
LEED	MR: Storage & Collection of Recyclables	x	x	x	x	x	x	x
LEED	MR: Recycled Content	x	x	x	x	x	x	x
LEED	MR: Regional Materials	x	x	x	x	x	x	x
LEED	EQ: Environmental Tobacco Smoke			x		x		x
LEED India	MR: Storage & Collection of Recyclables	x	x	x	x	x	x	x
LEED India	MR: Recycled Content	x	x	x	x	x	x	x
LEED India	MR: Local/Regional Materials	x	x	x	x	x	x	x
LEED India	EQ: Environmental Tobacco Smoke			x		x		x
Green Globes	10.2.2.1 Recycled Content	x	x	x	x	x	x	x
Green Globes	10.2.4.1 Transport of Manufactured Matls	x	x	x	x	x	x	x
Green Globes	10.5 Recycling of Waste	x	x	x	x	x	x	x
Estdama	ADMAT1: Matls Spec - Major Bldg Elmnts	x	x	x	x	x	x	x
Estdama	ADMAT5: Sustainable Materials Sourcing	x	x	x	x	x	x	x
Estdama	ADWAS1: Reduction of Waste	x	x	x	x	x	x	x
Estdama	ADWAS2: Storage for Recyclable Waste	x	x	x	x	x	x	x
Materials	Al – Tube	x	x	x	x	x	x	x
Materials	Polymer – Polyethylene	x	x	x	x	x	x	x
Materials	SST – Sheet and Tube	x	x	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x	x	x
Processes	Extrusion	x	x	x	x	x	x	x
Processes	Impression	x	x	x	x	x	x	x
Processes	Laser Cutting	x	x	x	x	x	x	x
Processes	Metal Punching	x	x	x	x	x	x	x
Processes	Metal Spinning	x	x	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x	x	x
Processes	Roll Forming	x	x	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x	x	x
Processes	Welding	x	x	x	x	x	x	x
Packaging	Cardboard – Box	x	x	x	x	x	x	x
Packaging	Foam – Sheets	x	x	x	x	x	x	x
Packaging	Foam – Soy Sheets	x	x	x	x	x	x	x

SUMMARY – 36-Gallon – Dallas Grillwork continued

Category Type	Property/Component	36-Gal Top Opening	36-Gal Side Opening	36-Gal Side Opening, Ash Lid	36-Gal Side Opening Recycle Bin	36-Gal Side Opening, Recycle Bin, Ash Lid	36-Gallon Side Opening, Split-Stream	36-Gallon Side Opening, Split-Stream, Ash Lid
Packaging	Plastic – Shrink wrap	x	x	x	x	x	x	x
Packaging	Wood – Pallet	x	x	x	x	x	x	x
Transport	Boat – Overseas	x	x	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x	x	x
Maintenance & Use	Recycling	x	x	x	x	x	x	x
Maintenance & Use	Tobacco Smoke Control			x		x		x
Disposal	Disassemble	x	x	x	x	x	x	x
Disposal	Recyclable – Fully	x	x	x	x	x	x	x
Disposal	Recycling – Scrap	x	x	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x	x	x

SUMMARY – 36-Gallon – Fan, Updrop, Vertical, and Vista Grillwork

Category Type	Property/Component	36-Gal Top Opening	36-Gal Side Opening	36-Gal Side Opening, Ash Lid	36 Gal Side Opening, Recycle Bin	36-Gal Side Opening, Recycle Bin, Ash Lid	36-Gallon Side Opening, Split-Stream	36-Gallon Side Opening, Split-Stream, Ash Lid
Basic	Total Recycled Content	56%	55%	55%	59%	58%	55%	55%
Basic	Post-Industrial Recycled Content	56%	55%	55%	59%	58%	55%	55%
Basic	Post-Consumer Recycled Content	0%	0%	0%	0%	0%	0%	0%
LEED®	MR: Storage & Collection of Recyclables	x	x	x	x	x	x	x
LEED®	MR: Recycled Content	x	x	x	x	x	x	x
LEED®	MR: Regional Materials	x	x	x	x	x	x	x
LEED®	EQ: Environmental Tobacco Smoke			x		x		x
LEED® India	MR: Storage & Collection of Recyclables	x	x	x	x	x	x	x
LEED® India	MR: Recycled Content	x	x	x	x	x	x	x
LEED® India	MR: Local/Regional Materials	x	x	x	x	x	x	x
LEED® India	EQ: Environmental Tobacco Smoke			x		x		x
Green Globes™	10.2.2.1 Recycled Content	x	x	x	x	x	x	x
Green Globes™	10.2.4.1 Transport of Manufactured Matls	x	x	x	x	x	x	x
Green Globes™	10.5 Recycling of Waste	x	x	x	x	x	x	x
Estdama	ADMAT1: Matls Spec - Major Bldg Elmnts	x	x	x	x	x	x	x
Estdama	ADMAT5: Sustainable Materials Sourcing	x	x	x	x	x	x	x
Estdama	ADWAS1: Reduction of Waste	x	x	x	x	x	x	x
Estdama	ADWAS2: Storage for Recyclable Waste	x	x	x	x	x	x	x
Materials	Al – Tube	x	x	x	x	x	x	x
Materials	Polymer – Polyethylene	x	x	x	x	x	x	x
Materials	SST – Sheet and Tube	x	x	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x	x	x
Processes	Extrusion	x	x	x	x	x	x	x
Processes	Impression							
Processes	Laser Cutting	x	x	x	x	x	x	x
Processes	Metal Punching	x	x	x	x	x	x	x
Processes	Metal Spinning	x	x	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x	x	x
Processes	Roll Forming	x	x	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x	x	x
Processes	Welding	x	x	x	x	x	x	x
Packaging	Cardboard – Box	x	x	x	x	x	x	x
Packaging	Foam – Sheets	x	x	x	x	x	x	x
Packaging	Foam - Soy Sheets	x	x	x	x	x	x	x

SUMMARY – 36-Gallon – Fan, Updrop, Vertical, and Vista Grillwork continued

Category Type	Property/Component	36-Gal Top Opening	36-Gal Side Opening	36-Gal Side Opening, Ash Lid	36-Gal Side Opening, Recycle Bin	36-Gal Side Opening, Recycle Bin, Ash Lid	36-Gallon Side Opening, Split-Stream	36-Gallon Side Opening, Split-Stream, Ash Lid
Packaging	Plastic – Shrink wrap	x	x	x	x	x	x	x
Packaging	Wood – Pallet	x	x	x	x	x	x	x
Transport	Boat – Overseas	x	x	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x	x	x
Maintenance & Use	Recycling	x	x	x	x	x	x	x
Maintenance & Use	Tobacco Smoke Control			x		x		x
Disposal	Disassemble	x	x	x	x	x	x	x
Disposal	Recyclable – Fully	x	x	x	x	x	x	x
Disposal	Recycling – Scrap	x	x	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x	x	x

SUMMARY – 45-Gallon – Dallas Grillwork

Category Type	Property/Component	45-Gal Top Opening	45-Gal Side Opening	45-Gal Side Opening, Ash Lid	45-Gallon Side Opening, Split-Stream	45-Gallon Side Opening, Split-Stream, Ash Lid
Basic	Total Recycled Content	57%	58%	57%	58%	57%
Basic	Post-Industrial Recycled Content	57%	58%	57%	58%	57%
Basic	Post-Consumer Recycled Content	0%	0%	0%	0%	0%
LEED®	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED®	MR: Recycled Content	x	x	x	x	x
LEED®	MR: Regional Materials	x	x	x	x	x
LEED®	EQ: Environmental Tobacco Smoke			x		x
LEED® India	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED® India	MR: Recycled Content	x	x	x	x	x
LEED® India	MR: Local/Regional Materials	x	x	x	x	x
LEED® India	EQ: Environmental Tobacco Smoke			x		x
Green Globes™	10.2.2.1 Recycled Content	x	x	x	x	x
Green Globes™	10.2.4.1 Transport of Manufactured Matls	x	x	x	x	x
Green Globes™	10.5 Recycling of Waste	x	x	x	x	x
Estidama	ADMAT1: Matls Spec - Major Bldg Elmnts	x	x	x	x	x
Estidama	ADMAT5: Sustainable Materials Sourcing	x	x	x	x	x
Estidama	ADWAS1: Reduction of Waste	x	x	x	x	x
Estidama	ADWAS2: Storage for Recyclable Waste	x	x	x	x	x
Materials	Al – Tube	x	x	x	x	x
Materials	Polymer – Polyethylene	x	x	x	x	x
Materials	SST – Sheet and Tube	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x
Processes	Extrusion	x	x	x	x	x
Processes	Impression	x	x	x	x	x
Processes	Laser Cutting	x	x	x	x	x
Processes	Metal Punching	x	x	x	x	x
Processes	Metal Spinning	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x
Processes	Roll Forming	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x
Processes	Welding	x	x	x	x	x
Packaging	Cardboard – Box	x	x	x	x	x
Packaging	Foam – Sheets	x	x	x	x	x
Packaging	Foam – Soy Sheets	x	x	x	x	x

SUMMARY – 45 Gallon- Dallas Grillwork continued

Category Type	Property/Component	45-Gal Top Opening	45-Gal Side Opening	45-Gal Side Opening, Ash Lid	45-Gallon Side Opening, Split-Stream	45-Gallon Side Opening, Split-Stream, Ash Lid
Packaging	Plastic – Shrink wrap	x	x	x	x	x
Packaging	Wood – Pallet	x	x	x	x	x
Transport	Boat – Overseas	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x
Maintenance & Use	Recycling	x	x	x	x	x
Maintenance & Use	Tobacco Smoke Control			x		x
Disposal	Disassemble	x	x	x	x	x
Disposal	Recyclable – Fully	x	x	x	x	x
Disposal	Recycling – Scrap	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x

SUMMARY – 45 Gallon – Fan, Updrop, Vertical, and Vista Grillwork

Category Type	Property/Component	45-Gal Top Opening	45-Gal Side Opening	45-Gal Side Opening, Ash Lid	45-Gallon Side Opening, Split-Stream	45-Gallon Side Opening, Split-Stream, Ash Lid
Basic	Total Recycled Content	57%	58%	57%	58%	57%
Basic	Post-Industrial Recycled Content	57%	58%	57%	58%	57%
Basic	Post-Consumer Recycled Content	0%	0%	0%	0%	0%
LEED®	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED®	MR: Recycled Content	x	x	x	x	x
LEED®	MR: Regional Materials	x	x	x	x	x
LEED®	EQ: Environmental Tobacco Smoke			x		x
LEED® India	MR: Storage & Collection of Recyclables	x	x	x	x	x
LEED® India	MR: Recycled Content	x	x	x	x	x
LEED® India	MR: Local/Regional Materials	x	x	x	x	x
LEED® India	EQ: Environmental Tobacco Smoke			x		x
Green Globes™	10.2.2.1 Recycled Content	x	x	x	x	x
Green Globes™	10.2.4.1 Transport of Manufactured Matls	x	x	x	x	x
Green Globes™	10.5 Recycling of Waste	x	x	x	x	x
Estidama	ADMAT1: Matls Spec - Major Bldg Elmnts	x	x	x	x	x
Estidama	ADMAT5: Sustainable Materials Sourcing	x	x	x	x	x
Estidama	ADWAS1: Reduction of Waste	x	x	x	x	x
Estidama	ADWAS2: Storage for Recyclable Waste	x	x	x	x	x
Materials	Al – Tube	x	x	x	x	x
Materials	Polymer – Polyethylene	x	x	x	x	x
Materials	SST – Sheet and Tube	x	x	x	x	x
Processes	Aluminum Making	x	x	x	x	x
Processes	Extrusion	x	x	x	x	x
Processes	Impression					
Processes	Laser Cutting	x	x	x	x	x
Processes	Metal Punching	x	x	x	x	x
Processes	Metal Spinning	x	x	x	x	x
Processes	Plastics Manufacture	x	x	x	x	x
Processes	Powdercoating	x	x	x	x	x
Processes	Roll Forming	x	x	x	x	x
Processes	Steel Making	x	x	x	x	x
Processes	Welding	x	x	x	x	x
Packaging	Cardboard – Box	x	x	x	x	x
Packaging	Foam – Sheets	x	x	x	x	x
Packaging	Foam – Soy Sheets	x	x	x	x	x

SUMMARY – 45-Gallon – Fan, Updrop, Vertical, and Vista Grillwork continued

Category Type	Property/Component	45-Gal Top Opening	45-Gal Side Opening	45-Gal Side Opening, Ash Lid	45-Gallon Side Opening, Split-Stream	45-Gallon Side Opening, Split-Stream, Ash Lid
Packaging	Plastic – Shrink wrap	x	x	x	x	x
Packaging	Wood – Pallet	x	x	x	x	x
Transport	Boat – Overseas	x	x	x	x	x
Transport	Ground – Truck/Rail	x	x	x	x	x
Maintenance & Use	Clean with Water and Mild Cleaner	x	x	x	x	x
Maintenance & Use	Ergonomic	x	x	x	x	x
Maintenance & Use	Recycling	x	x	x	x	x
Maintenance & Use	Tobacco Smoke Control			x		x
Disposal	Disassemble	x	x	x	x	x
Disposal	Recyclable – Fully	x	x	x	x	x
Disposal	Recycling – Scrap	x	x	x	x	x
Disposal	Reuse	x	x	x	x	x

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.