

Windmark

June 2011



With our roots in the landscape and a stated purpose to “Enrich Outdoor Spaces,” Landscape Forms has a special relationship to the natural environment. We have always been mindful that as we design and manufacture products that are acted upon by the environment, we act upon it in turn. Environmental sustainability is completely consistent with our purpose, our goals, our values and our principles. We make stewardship of the environment a vital part of our business.

To learn more about our sustainability initiatives, refer to our [Environmental Statement](#).

WINDMARK IS MANUFACTURED USING THE FOLLOWING MATERIALS:

Material	Parts	Recyclable
aluminum	chair frame	100%
steel	seat/back panels, table frame	100%
wood	seat/back panels	100%
fabric	cushions	100%
foam	cushions	100%

Finishing

All metal is finished with Pangard II ® polyester powdercoat, which is lead-free, hazardous air pollutants-(HAPS) free, does not generate hazardous waste, and contains less than 1% VOCs. Once processed, these trace VOCs are fully inert therefore the finish does not release airborne contaminants.

Landscape Forms wood furniture for outdoor use is manufactured from wood species that weather naturally in outdoor settings to a beautiful pewter gray. We do not apply paints or finishes to these products and do not recommend the use of finishes which would require ongoing maintenance programs as the wood weathers. Our wood furniture for indoor use is finished with LF 80, a clear, catalyzed low-VOC acrylic finish.

Perennials fabrics are treated with Perennials Nano Seal™ finish for extra protection against the elements. More than just a coating, Perennials Nano Seal™ is molecularly bonded with the fibers providing long-lasting protection, even after repeated washing/cleaning.

Packaging Materials	Parts	Recyclable
plastic	product bagged to protect finish	100%
recycled skid		100%
cardboard with 35% recycled content		100%

To find local recyclers visit: for steel: www.recycle-steel.org; for cardboard: www.corrugated.org.

LEED®

This product may help achieve the following points under the LEED 2009 Rating System. For specifics regarding rules for the inclusion of furniture, please consult the rating system and reference guide that applies to your project.

IEQ Prerequisite 2: Environmental Tobacco Smoke (ETS) Control

Intent

To prevent or minimize exposure of building occupants, indoor surfaces and ventilation air distribution systems to environmental tobacco smoke (ETS).

Benches, tables, chairs and ash urns help create a designated smoking area 25 feet or more from entries, outdoor air intakes and operable windows to support the intent of this prerequisite.

Materials and Resources

MR Credit 4, Recycled Content

Intent

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Recycled Content

Style	Total	Post Consumer	Pre Consumer	Style	Total	Post Consumer	Pre Consumer
strap base	90	59	31	Ottoman, metal	62	38	24
origami base	91	59	32	Ottoman, wood	22	12	10
glass tabletop	30	0	30	chair, no arms, metal	67	41	26
metal tabletop (except 31" x 96")	91	59	32	chair no arms, wood	26	15	11
metal tabletop (only 31" x 96")	29	15	14	chair, with arms, metal	64	39	25
wood tabletop	6	4	2	chair, with arms, wood	28	16	12
				seat cushion	0	0	0

MR Credit 5, Regional Materials

Intent

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

This product is manufactured in our Kalamazoo, MI facility, zip code 49048. For calculations regarding material extraction, please contact Landscape Forms.

MR Credit 7, Certified Wood

Intent

To encourage environmentally responsible forest management.

Landscape Forms is certified for Forest Stewardship Council Chain of Custody. Certification registration number SW-COC-001261. This product is offered with FSC certified wood as an option. Contact Landscape Forms for pricing and lead times.

CARE AND MAINTENANCE

Windmark is designed and engineered to live a long, useful life in outdoor spaces without the use of chemical cleaners to maintain the finish. It is tested to ANSI/BIFMA durability standards. The durability, longevity and low maintenance of our products contribute to responsible stewardship of the earth's resources.

All metal is finished with Landscape Forms' proprietary Pangard II® polyester powdercoat, a hard yet flexible finish that resists rusting, chipping, peeling and fading and requires no cleaning solvents once installed. Clean surface as needed using a soft cloth or brush with a mild detergent. Avoid steam cleaning, abrasive cleansers, carbon steel brushes/wools and cleaners containing chlorine. Outdoor use will require periodic finish inspection and maintenance. Inspect periodically for scratches, nicks and gouges. Touch-up paint is included with every order and can be used to repair minor nicks and scratches.

Wood: Exterior woods require no maintenance. If desired, the surface may be scrubbed with warm soapy water and soft bristle brush. Pressure washing, steel wool/wire brushes are not recommended. Heavily ingrained stains may be sanded away with fine grade sandpaper worked in the direction of the grain. Sanded wood will weather to a gray patina. Interior woods require only dusting or occasional cleaning with a good-quality furniture polish.

Glass: As with any glass, you may use a commercial glass cleaner. If a stain occurs on the bottom side (acid etched side), you can use a product called GoJo which can be found in any hardware store.

SUNBRELLA® Cushion Fabric: For storage, cushions should be cleaned, allowed to air dry and placed in a dry, well-ventilated area. Sunbrella® fabric has a stain-resistant finish that requires little care. Brush off dirt before it becomes embedded in the fabrics and wipe up spills as soon as they occur or spot clean soon after stains occur. For generally cleaning, prepare a cleaning solution of 2 ounces (1/4 cup) mild soap per gallon of lukewarm water and use a sponge or a soft bristle brush to clean. Allow cleaning solution to soak into fabric, Rinse thoroughly to remove all soap residue and allow fabric to air dry. For spot cleaning, apply a light mist of mild soap and water using a spray bottle, work the solution into the stain by lightly scrubbing the area with a sponge or very soft bristle brush. Rinse thoroughly to remove all soap residue and blot excess moisture with a clean, soft towel or sponge. Wet-vacuum or blot excess water and air dry, Repeat steps 3 and 4 until all soap residue is removed. Further information is available at www.sunbrella.com.

Perennials Cushions Fabric: It is recommended to clean Perennials Outdoor Fabrics with natural soap in lukewarm water. Cleaners such as 409 and Simple Green have also been used with success. Sponge briskly and rinse thoroughly with clean water to remove dirt. Air dry. Diluted chlorine bleach will not affect the coloration of the fiber and is therefore acceptable for stain removal. However, chlorine bleach can eventually affect the strength of any fiber or cloth, so it is suggested to use a solution of one part bleach to two parts water. Thorough rinsing is essential. Professional cleaning is always recommended for tough stains. Further information is available at www.perennialsfabrics.com