

BermanGlass Refract is durable and low maintenance. It may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building. Daylighting properties may aid in harvesting site energy throughout the space and reduce the requirement for electric lighting.

Recycled Content & Certifications

Configurations	Post-Industrial Recycled Content	Post-Consumer Recycled Content	Total Recycled Content	3 rd Party Certifications
BermanGlass Refract	0%	0%	0%	-

Green Building Standards

<p>LEED® v3</p> <p><i>EAp2/EAc1: Energy Performance</i> – the use of glass may aid in harvesting site energy by increasing daylighting properties throughout the space and reducing the requirement for electric lighting. Please contact us for more information.</p> <p><i>MR2: Construction Waste Management</i> – packaging is designed to be reusable or recyclable. See below for details.</p> <p><i>MR5: Regional Materials</i> – this product is manufactured in Phoenix, AZ. Contact for extraction information.</p> <p><i>IEQ8: Daylight & Views</i> – decorative glass may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building. Please contact us for more information.</p>
<p>LEED v4</p> <p><i>EAp2/EAc2: Energy Performance</i> - the use of glass may aid in harvesting site energy by increasing daylighting properties throughout the space and reducing the requirement for electric lighting. Please contact us for more information.</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 (regional materials)</i> – this product is manufactured in Phoenix, AZ. Contact for extraction information.</p> <p><i>MR4: Material Ingredients</i> – this product has a Health Product Declaration. Contact for details.</p> <p><i>EQ2: Low-emitting Materials</i> – inherently non-emitting sources. Contact for details.</p> <p><i>EQ7: Daylight</i> - decorative glass may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building. Please contact us for more information.</p>
<p>Green Globes™</p> <p><i>3.3.1: Energy Performance</i> - the use of glass may aid in harvesting site energy by increasing daylighting properties throughout the space and reducing the requirement for electric lighting. Please contact us for more information.</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>3.7.2.1 Volatile Organic Compounds</i> - inherently non-emitting sources. Contact for details.</p> <p><i>3.7.3.1 Daylighting</i> - decorative glass may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building. Please contact us for more information.</p>
<p>Estidama Pearl Rating System: Design & Construction, Version 1.0</p> <p><i>LBi-2.5: Material Emissions: Formaldehyde Reduction</i> – inherently non-emitting sources. Contact for details.</p> <p><i>LBi-7: Daylight & Glare</i> – decorative glass may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building. Please contact us for more information.</p> <p><i>RE-R1/RE-1: Energy Performance</i>: the use of glass may aid in harvesting site energy by increasing daylighting properties throughout the space and reducing the requirement for electric lighting. Please contact us for more information.</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>SITES v2 Rating System</p> <p><i>Materials C5.6: Use regional materials</i> - this product is manufactured in Phoenix, AZ. Contact for extraction information.</p> <p><i>Materials C5.8: Support transparency and safer chemistry</i> - this product has a Health Product Declaration. Contact for details.</p> <p><i>Construction C7.5: Divert construction and demolition materials from disposal</i> - packaging is designed to be reusable or recyclable. See below for details.</p>

Product Materials

Material	Description	Maintenance (0-5)*	Inherent Value (0-5)**	Biodegradable	Corrosion/Wear Resistant	Rapidly Renewable	Recyclable	Scratch Resistant
Glass	Hard, brittle, transparent material consisting mostly of silica and various other ingredients that achieve different physical properties depending on use.	4	0		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
Glass Casting	The process in which glass objects are cast by directing molten glass into a mold where it solidifies.

Packaging Materials

Material	Type	Description	Disposal
Cardboard	Spacers	Used to provide impact cushioning between a product and its package or between two products.	Reuse/Recycle
Paper	Sheets	Used to protect the finish on products.	Reuse/Recycle
Wood	Crate	Wood crates are made to fit onsite. Wood scraps are recycled into mulch. Crates are reused when possible.	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
Clean with Standard Glass Cleaner	This product can be maintained using standard commercial, non-streaking cleaners and polishes formulated for use on glass.	Glass Cleaner
Daylight Factor	Decorative glass may be used in a variety of applications to increase the daylight factor, as well as provide glare control within a building.	NA
Energy Reduction	Glass may aid in harvesting site energy by increasing daylighting properties and reducing the requirement for electric lighting.	NA

Disposal

Method	Description
Not Recyclable	Product is not recyclable

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, please contact our Sustainability Team at green@forms-surfaces.com