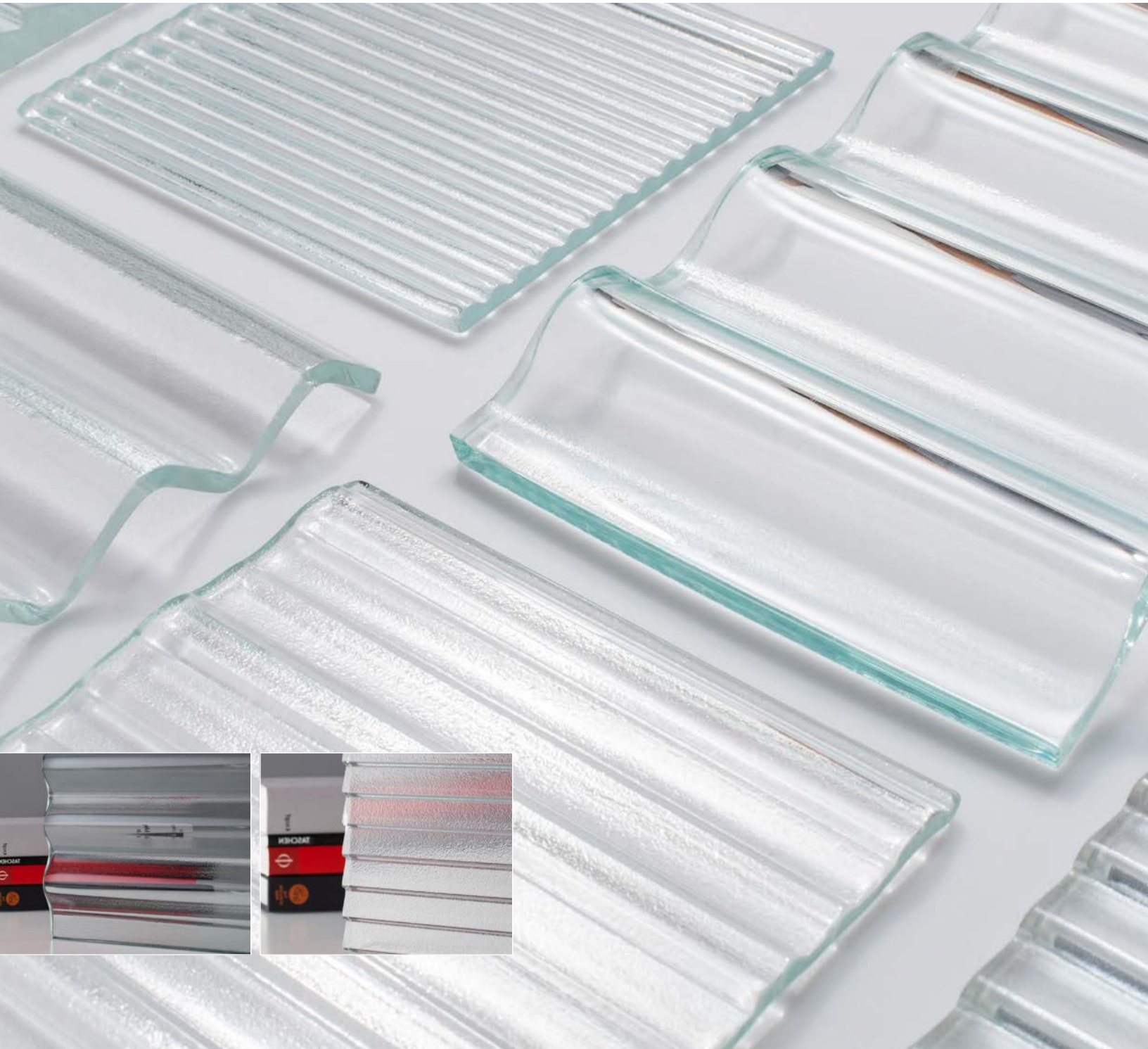




BERMANGLOSS® PROFILE KILN CAST GLASS

PRODUCT DATA





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BermanGlass Profile Kiln Cast Glass is defined by crisp linear textures. Each has its own sculptural dimensionality and is available in both vertical and horizontal orientations. Profile textures are a versatile way to diffuse light, create varied levels of privacy, and bring clean linear geometry to indoor and outdoor environments.

MATERIAL DESCRIPTION

Profile Kiln Cast Glass glass is defined by three parameters that are key to product specification:

GLASS TEXTURE	GLASS TYPE	GLASS SURFACE TREATMENT
<p>Textures are the dimensional patterns in the glass:</p> <ul style="list-style-type: none"> All textures are available in multiple standard glass thicknesses, each offering a different visual end result. Specific thickness options vary per texture; see page 3 or contact F+S for details. Standard glass thicknesses and weights are described below for general reference. Custom textures can be created, at an additional charge. Please contact F+S for details. See page 2 for more information and to view standard textures. 	<p>Two types of glass are standard:</p> <ul style="list-style-type: none"> Clear: a slight green tint is inherent to the glass Low Iron: the green inherent in standard clear glass is virtually eliminated <p>See below for safety and tempering options.</p>	<p>The surface treatment of the glass impacts the amount of light transmitted - or not - through the glass.</p> <p>BermanGlass Profile Kiln Cast Glass is inherently transparent. A smooth surface on both sides of the glass is standard.</p> <p>Other surface treatments that vary opacity levels from semi-transparent to opaque are also available:</p> <ul style="list-style-type: none"> One or both sides of the glass can be sandblasted, which allows light to pass through while creating a sense of privacy. Back coating is also an option. Coating colors can be matched to any Pantone color. A variety of coating textures and gloss levels are available. <p>For more about surface treatment options, contact F+S.</p>

PRODUCTS & APPLICATIONS

GLASS LITES	GLASS HARDWARE	RAILING INFILL PANELS
<p>Profile Kiln Cast Glass is ideal for architectural accents such as columns, partitions, artwork or other desired custom applications. Processing options include polished edges, tempering, notches, cutouts and pattern cuts. Profile Kiln Cast Glass can be specified in any size up to maximum sizes noted on page 2. Please contact us for information on larger custom sizes.</p>	<p>A variety of Glass Hardware components are available for use with Profile Kiln Cast Glass. See page three for available options. Please refer to the Glass Hardware Product Data Sheets for additional information.</p>	<p>Profile Kiln Cast Glass can be used as an infill option in railings. Please contact us for additional information on how to incorporate Profile into your application.</p>

GLASS CHARACTERISTICS

SAFETY	EXTERIOR APPLICATIONS & WATER FEATURES
<p>Profile Kiln Cast Glass is available tempered, laminated for safety, and tempered and laminated. Tempering is required for glass with holes and cutouts. For questions about glass strengthening and safety, please contact us.</p>	<p>Profile Kiln Cast Glass is suitable for exterior applications and water features. For details, please contact us.</p>
PROFILE	STANDARD THICKNESSES & WEIGHTS
<p>Profile Kiln Cast Glass can be made to fit a flat or curved profile. Curved profiles are subject to certain limitations. If a curved profile is needed, please contact us to discuss the guidelines and documentation needed for specification.</p>	<ul style="list-style-type: none"> 1/4" (6 mm) 3.27 lb/sq ft 3/8" (10 mm) 4.90 lb/sq ft 1/2" (12 mm) 6.64 lb/sq ft 3/4" (19 mm) 9.81 lb/sq ft

HOW TO SPECIFY

A Design Guide is available to lead you through the specification process in a simple, checkbox format. The Design Guide captures all the information needed to generate a quote.

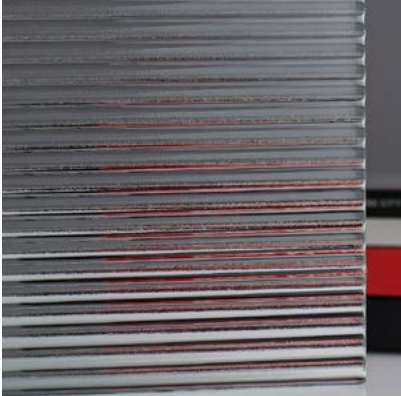


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TEXTURES

All textures are available in a variety of standard glass thicknesses, each offering a different visual end result. Specific thickness options vary per texture; contact F+S for details. Lanto, Monato and Taglio are shown in 3/8" (10 mm); all other textures are shown in 1/4" (6 mm) thickness.



CORDUROY™



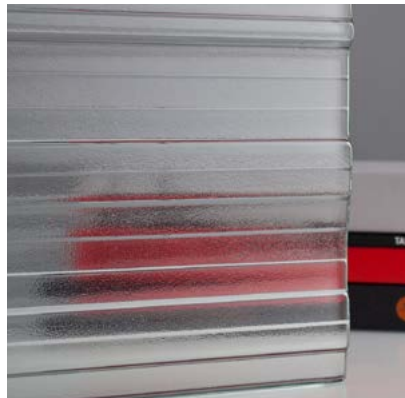
CORRUGATED™



LANTO™



MONATO™



STICKS™



TAGLIO™



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MATERIAL SPECIFICATIONS

The chart below shows thickness and sheet size dimensions for all Profile Kiln Cast Glass textures. Sheets may be specified in any sheet size up to the maximum indicated in the chart.

TEXTURE	AVAILABLE THICKNESSES	SHEET SIZE
CORDUROY (horizontal)	1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm), 3/4" (19 mm)	58" x 118" (1345 x 2997 mm)
CORDUROY (vertical)	1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm), 3/4" (19 mm)	58" x 118" (1345 x 2997 mm)
CORRUGATED (horizontal)*	1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm)	54" x 116" (1372 x 2646 mm)
CORRUGATED (vertical)*	1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm)	56" x 116" (1422 x 2646 mm)
LANTO**	3/8" (10 mm), 1/2" (12 mm)	53" x 108" (1346 x 2743 mm)
MONATO**	3/8" (10 mm), 1/2" (12 mm)	53" x 108" (1346 x 2743 mm)
STICKS**	1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm)	46" x 108" (1168 x 2743 mm)
TAGLIO**	3/8" (10 mm), 1/2" (12 mm)	53" x 108" (1346 x 2743 mm)

*Note these textures **will** require flanges for installation within a channel or frame.

Note these textures **may require flanges for installation within a channel or frame.



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HARDWARE OPTIONS

Profile Kiln Cast Glass is available with a variety of different hardware options. Please contact our project management team for help with project-specific requirements. All options are suitable for interior use.

SLOT MOUNT STANDOFF		
		<ul style="list-style-type: none"> • Designed for mounting glass vertically or horizontally without drilling holes in the glass • Available in five finishes: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Chrome and Satin Stainless Steel • Accommodates three different glass thicknesses: 1/4" (6.3 mm), 3/8" (9.5 mm), 1/2" (12.7 mm)
EDGE GRIP STANDOFF		
		<ul style="list-style-type: none"> • Designed for mounting glass to walls or other vertical substrates without drilling holes in the glass • Available in five finishes: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Chrome and Satin Stainless Steel • Accommodates three different glass thicknesses: 1/4" (6.3 mm), 3/8" (9.5 mm), 1/2" (12.7 mm)
ROUND STANDOFF		
		<ul style="list-style-type: none"> • Designed for mounting glass vertically or horizontally • Eight different base lengths are available • Regardless of base length, holes must be drilled in the glass for assembly • Available in six finishes: Polished Brass, Polished Gun Metal, Polished Stainless Steel, Satin Stainless Steel, Satin Chrome and Polished Chrome • Accommodates three different glass thicknesses: 1/4" (6.3 mm), 3/8" (9.5 mm), 1/2" (12.7 mm)
SPIDER FITTING		
		<ul style="list-style-type: none"> • Designed for mounting glass to walls, posts, other structural substrates with minimal visible connections • Holes must be drilled in the glass for assembly • Available in two finishes: Satin Stainless Steel and Polished Stainless Steel • Available in 1-, 2-, 3- and 4-arm configurations • Accommodates glass thicknesses between 1/2" (12 mm) and 13/16" (20 mm)
SQUARE MALL CLAMP		
		<ul style="list-style-type: none"> • Designed for joining vertical lites of glass without drilling holes in the glass • Available in three finishes: Polished Brass, Satin Stainless Steel and Polished Stainless Steel • Accommodates glass thicknesses between 3/8" (9.5 mm) and 3/4" (19 mm)
TAPERED RAIL SYSTEM		
		<ul style="list-style-type: none"> • Designed to secure fixed glass panels in various layouts without drilling holes in the glass • Available in six finishes: Polished Brass, Polished Stainless Steel, Satin Stainless Steel, Satin Anodized, Black Bronze Anodized and Black Powdercoat • Accommodates two different glass thicknesses: 3/8" (9.5 mm) and 1/2" (12.7 mm)