

# Ambienta Glass

## Ambienta Glass Components

*The natural beauty of real wood veneer encapsulated in crystal clear glass*



Ambienta Glass is available as a natural and environmentally friendly real wood veneer encapsulated within two layers of Crystal<sup>®</sup> glass to provide either translucent or opaque panels. Additionally, they can be supplied with solid color, fabric, or digital print interlayers.

From vertical wall panels and partitions to counter top and furniture surfaces, Ambienta Glass is available in over 90 species with thousands of different stain colors, solid colors and fabrics.

Having created new ways to use glass, we need more creative ways to hang, hold, hinge and shape it. Ambienta offers a full range of capabilities, including:

- Drilling
- Corner & Edge Notching
- Cut outs
- Grooving
- Horizontal mounting
- Vertical mounting
- Magnetic Layers

Ambienta is pleased to offer advice and solutions to all of your glass needs.

### Finishes

Available in over 90 beautiful natural wood species, Ambienta Glass components can be used either vertically for wall applications or horizontally, for table and transaction surfaces and applications, and can be translucent, opaque and or magnetic.

### Edges

Polished and beveled with chamfered edge option.

### Sizes

Available in sizes up to 48" x 120" and custom sizes and shapes. Thickness from 1/4" to 3/4"

### Backers

Custom wood backers and preps for table top mountings and back fixing options. Ambienta Facade Fixings included

### Glass Types

Crystal<sup>®</sup> Clear. Tempered available.

ENVIRONMENTALLY FRIENDLY, FIRE RATED, 100% RENEWABLE NATURAL WOOD CORES

## Dimensions

Ambienta Glass is available in 1/4", 1/2" and 3/4" thickness as standard. We can create any custom size upto 60 x 120".

Standard Sizes		
<b>Rectangle Sizes</b> 36" x 60" 42" x 72" 42" x 78" 48" x 84" 48" x 96" 48" x 108" <b>Custom Sizes</b> in 2" increments up to 60" x 120"	<b>Square Sizes</b> 36" x 36" 42" x 42" 48" x 48" 54" x 54" 60" x 60" 72" x 72" <b>Custom Sizes</b> in 2" increments up to 60" x 120"	<b>Circular Sizes</b> 42" D 48" D 54" D 60" D 66" D 72" D <b>Custom Sizes</b> in 2" increments up to 60" x 120"

**\*Tolerances:** Because of the complexity with finishing edges, the Glass Industry in the United States works to the following dimensional tolerances.

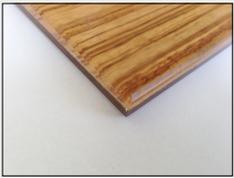
**1/4" Thick Glass = +3/16" to - 3/16"    1/2" Thick Glass = +1/4" to - 1/4"    3/4" Thick Glass = +3/8" or - 3/8"**  
 Hold tolerances of +0, -1/8" can be offered and is subject to an up-charge.

## Weight

Nominal weights:    1/4" Thick Glass = 5 lbs per sq. ft.  
                               1/2" Thick Glass = 6 lbs per sq.ft.  
                               3/4" Thick Glass = 11 lbs per sq. ft.

## Edge Options

Ambienta Glass components are available Square Edge Polished (SEP) or Bevel Edge Polished (BEP) as standard. Custom edge finishes are available.

<b>Square Edge Polished (SEP)</b> 		<b>Square Edge Polished (SEP)</b> <b>(BEP)</b> 	
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## Fabrication

Custom machining including bonding, holes, grooving and CNC detail are available by request.

## Corner Options

Ambienta Glass is available in 1/4", 1/2" and 3/4" thickness as standard. We can create any custom size upto 60 x 120".

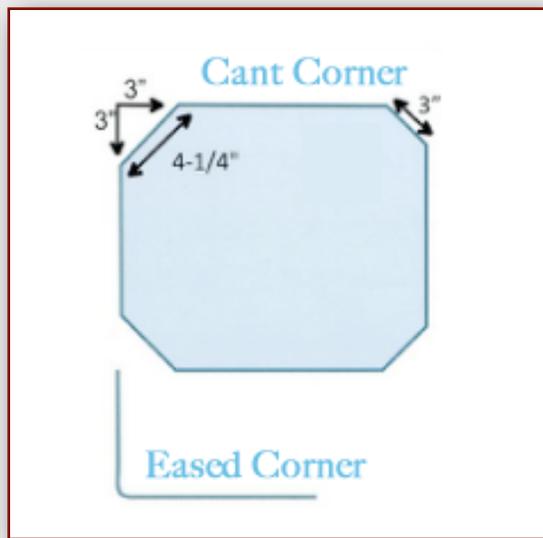
### Corner Options

#### Cant Corners

**Cant Corner:** measured from corner inwards along adjacent edges.

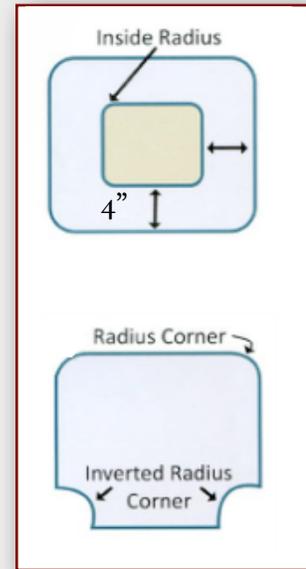
**Face Cant:** measured across the Cant edge

**Eased Corner:** small rounding of corner to relieve sharpness.



#### Radius Corner

**Radius Corner:** both inside and outside radii are measured from the center of the radius to the flat edge. Minimum internal radius is 3/8". Radius must be minimum 4" from outside edge.



## Glass Testing

The following ASTM Test methods apply:

**C1036 - 11e1** Standard Specification for Flat Glass

**C1048 - 12e1** Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass

**C1172 - 09e1** Standard Specification for Laminated Architectural Flat Glass

**C1279 - 09** Standard Test Method for Non-Destructive Photoelastic Measurement of Edge and Surface Stresses in Annealed, Heat-Strengthened, and Fully Tempered Flat Glass

**C158 - 02(2012)** Standard Test Methods for Strength of Glass by Flexure (Determination of Modulus of Rupture)

## ANSI Z97.1 *Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test*

This standard establishes the specifications and methods of test for the safety properties of safety glazing materials (glazing materials designed to promote safety and to reduce or minimize the likelihood of cutting and piercing injuries when the glazing materials are broken by human contact) as used for all building and architectural purposes.