



FUSED GLASS

Definition: A decorative glass article created by melting in a kiln and fusing together two or more types and colors of glass. Many art glass pieces and ornate tableware are made from fused glass.

Applications:

Interior: tiles, vanity, counter tops, table tops, sculptures

Exterior: tiles, sculptures

Custom options available:

- Each panel can be custom fabricated
- All panels can be colored with a transparent, translucent or opaque finish
- Variety of colors

Fabrication options available:

- The main limitation is weight. Panels get heavy very quickly, which might create installation challenges.
- Fused glass does not allow for tempering. Generally, based on the application, it is not required. The glass still can be laminated to meet safety requirements but that often adds to the overall weight of the square footage, which can cause installation problems.

Why use fused glass?

Fused glass is generally used to create artistic pieces, thick counter or table tops, and glass tiles for interior and exterior applications. Aesthetically, fused glass gives the option to create a design that would not be available with two-dimensional glass techniques.



A corporate office features Desert Stones kiln-fused glass from Joel Berman Glass Studios, Vancouver, British Columbia. The company offers more than 35 handmade, kiln-cast and kiln-fused textures.

LAMINATED DECORATIVE GLASS

Definition: Glass consisting of an assembly of two or more lites of glass permanently bonded with an interlayer that retains the glass in place when shattered. Interlayers may be in clear, translucent and opaque forms with colors and graphic designs. Laminates may include one or more decorative components. Laminates can be produced by using a decorative glass, a decorative interlayer or by incorporating a variety of decorative materials such as films, metallic foils, fabrics, rice paper, photographs and such. See ASTM C 1172 standard for laminate specifications.

Applications:

Interior: counter tops, floors, furniture, office dividers, stair treads, art gallery exhibits and displays

Exterior: Vision and non-vision windows, balustrades and guardrails, canopies, overhead glazing/fallout protection, signs, storefronts

Custom options available:

- Large variety of glass types and interlayers, ranging from ultra-clear polycarbonates to vivid colors
- Infinite screen-printing options

Fabrication options available:

- Holes, hinge cutouts and notches
- Polished edges
- Screen printing
- IGU manufacturing

Unique characteristics:

- Combines the structural safety and security of laminated glass with brilliant color

Why use laminated decorative glass?

Due to its multi-layer construction and safety characteristics, laminated glass can also be used in structural, ballistic- and blast-resistant, hurricane impact, sound-control and solar-control applications. These aren't attributes typically associated with decorative glass; however, they are tools that allow architects and glass professionals to design public gathering spaces and high security applications with both privacy and transparency, as well as beauty.



The Eagle Feather Fan at the front entrance of the Blackfoot Crossing Historical Park in southern Alberta, Canada, features decorative laminated glass from Lami Glass Products, Vancouver, British Columbia, a division of Hartung Glass Industries. Lami Glass offers Impact decorative laminated glass that combines the structural safety and security of laminated glass with the brilliant color of film. In addition to exceptional strength and acoustical characteristics, Impact provides users the ability to create unique glass combinations by laminating different layers of films, colors, textures and patterns into a single lite.