

# Laminated Glass

## Product Description

Laminated glass is a type of multi-ply glass consisting of an assembly of two or more lites of glass bonded with an interlayer that holds together when shattered.

## Features and Benefits

- Laminated glass is used for safety or security glass and in applications which require sound control because of its additional strength and acoustical control, as compared to monolithic lites
- Different colors, textures and patterns can be combined using the laminating process to create special effects not possible with monolithic panels
- Laminated glass can be used in interior or exterior applications

## Applications

- Balustrades
- Elevator cabs
- Interior partitions
- Flooring
- Furniture; can be combined with ceramic frit patterns or full coverage opaque LCBA
- Overhead glazing
- Signage
- Sloped glazing
- Stair treads

## Applicable Industry Standards

- ASTM C1036 - Standard Specification for Flat Glass
- ASTM C1048 - Standard Specification for Heat-Treated Flat Glass -- Kind HS, Kind FT Coated and Uncoated Glass
- ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass

## Capabilities

### Glass Thicknesses

- Any combination of flat glass 3mm (1/8") to 19mm (3/4") or pattern glass can be laminated (subject to weight restrictions)

### Edgework

- Standard edge for laminated glass is a seamed edge
- Polishing and grinding available

### Fabrication

- Available on this product (See *Edgework and Fabrication* section in this binder.)

### Heat Treating

- This product is available using annealed float glass, fully tempered or heat strengthened glass

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## Technical Data

### UV Light Transmission

- < 1%

### Sound Loss

- Subject to glass makeup

### Average Opacity

- Varies upon application

### Color Tolerance

- 1 delta E (CIE LAB)

### ANSI 97.1

- Passed

### 16 CFR 1201

- Passed

### Compatible Sealants

- Dow 795
- Dow 999A (Butt Glazing)

## Maintenance

Follow Goldray's standard *Glass Cleaning* instructions found in this binder.

## Warranty

A typical 5 year limited warranty is available for Goldray laminated glass. Contact the Goldray sales office for specific terms and conditions.