How to Specify INTERLAM Laminated Glass Systems

An Interlam Design code is an identification number for a particular paper color. One to two sheets of papers are typically used for the construction of the laminated glass. Since the panel can be ordered as single sided or double sided, the ID number of the papers should be designated.

The thickness of the overall glass panel will vary based on the thickness of the individual components. The following options apply:

3/16” clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ 3/16” clear glass= Single sided panel .484”

3/16” clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ paper design+ 1 layer EVA + 3/16” clear glass= Double sided panel .539”

1/4” clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ 1/4” clear glass= Single sided panel .609”

1/4” clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ paper design+ 1 layer EVA + 1/4” clear glass= Double sided panel .664”

3/16” ULTRA clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ 3/16” ULTRA clear glass= Single sided panel .484”

3/16” ULTRA clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ paper design+ 1 layer EVA + 3/16” ULTRA clear glass= Double sided panel .539”

1/4” ULTRA clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ 1/4” ULTRA clear glass= Single sided panel .609”

1/4” ULTRA clear glass + 1 layer EVA+ paper design+ 1 layer EVA+ paper design+ 1 layer EVA + 1/4” ULTRA clear glass= Double sided panel .664”

Interlam’s Laminated Glass Systems quality complies with ASTM C 1172 safety standards for laminated glass. Produced with a formulated interlayer and substrate designed to laminate under heat and pressure between two pieces of (thickness, type and color) glass.

******* Safety glass can be fabricated by bonding two or more glass panes with a transparent, flexible interlayment material. Laminated glass does qualify as safety glass in compliance with ANSI Z97.1 and CFR 16CFR 1201. When broken, laminated glass tends to remain in place with glass particles adhered to interlayment.**

Interlam uses EVA high adhesive film, which is made of polymer resins of Ethylene Vinyl Acetate. This product ensures high tensile strength, outstanding cohesion and superior tolerance to higher temperatures.

Short Form Specifications:

CSI SECTION 8810 INTERIOR LAMINATED GLASS

Provide LAMINATED GLASS SYSTEMS per the following: Choose one from each layer

1st outer layer FRONT: 3/16" clear, 3/16" ultra clear, ¼" Clear, ¼" ultra clear

1st inner layer: Provide the pattern and color number from selection offered

2nd inner layer: Same as above if the panels are to be double sided.

2nd outer layer BACK: 3/16" clear, 3/16" ultra clear, ¼" Clear, ¼" ultra clear

Laminated Glass Systems panels to be manufactured by:

Interlam, Corp.
391 Hickory Street
Mount Alry, NC 27030
336-786-6254 p
336-786-9460 f
www.interlam-design.com

in sizes indicated on the "drawings" provided. All designs for doors must specify hardware and detailed drawings for purpose of fabrication. All glass quality to comply with ASTM C 1172 safety standards for laminated glass. Produced with a formulated interlayer and substrate designed to laminate under heat and pressure between two pieces of (thickness, type and color) glass.

General:
Basic design rules require the following:
Cutouts must have an internal radius corner that is as large as possible.
The width of each panel cannot exceed 48". The length of each panel may not exceed 120". Custom sizes that do not exceed those dimensions can be manufactured upon receipt of a verified shop drawing.
The amount of glass between a hole and the edge of the glass, or between two holes, must be as great as possible.
Combinations of holes and notches or groups of holes within close proximity are to be avoided.

Notches and Cutout Shapes:
The internal corners of notches and cutout must have radius corners.
The minimum radius of an internal corner should be 2.5 times the glass thickness.
Cutouts with any edge longer than 12" should have an internal radius of 4 times the glass thickness.
Cutouts on the edge of a piece of glass must have a minimum of 4" of glass between notches and/or corners.