

## Section 08 80 00 - Glazing

This specification guide has been prepared by Skyline to help design professionals create a specification section for architectural glass products, with a focus on Laminated Glass.

Common applications for these types of architectural glass include partitions, doors, railings, exterior glass, and demountable walls. For assistance with specific product applications, please contact Skyline directly.

Skyline reserves the right to modify these specifications at any time; see our website for updates. Skyline makes no express or implied warranties regarding the content, errors, or omissions in the information provided.

### Part 1 – General

#### 1.1 Summary

- 1.1.1 This section specifies the glazing materials for both interior and exterior applications, with a focus on Laminated Glass.
- 1.1.2 The products are manufactured by Skyline, providing a range of environmentally conscious and aesthetically innovative solutions suitable for dry and wet interior applications and, in some cases, exterior installations.

#### 1.2 Submittals

- 1.2.1 Submit product data sheets, samples (4x4, 4x8, or 8x8 inches), and warranty information for each glazing material as specified in this section.
- 1.2.2 Samples of the specified glazing material and finish must be provided for approval before fabrication.
- 1.2.3 Submit installation instructions for all products.

#### 1.3 Quality Assurance

- 1.3.1 Manufacturer's certifications confirm that all products comply with the safety and performance standards, including ASTM, ANSI, and CPSC.
- 1.3.2 All glazing materials must meet safety criteria and durability requirements for the intended application.

#### 1.4 Warranty

Skyline provides the following warranty terms for each product:

- a. Eco-etch Glass: 10 years from the date of delivery against manufacturer defects.
- b. Laminated Glass: 5 years from the date of delivery against manufacturer defects.
- c. Digitally Printed Glass with Ceramic Frit Ink: 10 years from the date of delivery against manufacturer defects.
- d. Digitally Printed Glass with UV Ink: 1 year from the date of delivery against manufacturer defects.
- e. Back-Painted Glass (Vitracolor®): 10 years from the date of delivery against manufacturer defects.
- f. Deep Etch Glass: 1 year from the date of delivery against manufacturer defects.
- g. Warranties depend on proper handling, cleaning, and installation per Skyline guidelines.

### Part 2 – Products

#### 2.1 Laminated Glass

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- 2.1.1 Product: [\_\_\_\_] by Skyline Design, Inc., (773) 278-4660, [www.skyline.glass](http://www.skyline.glass); [or approved substitute.] [substitutions not permitted.]
- 2.1.2 Laminated glass consists of two layers of glass permanently bonded with an EVA (Ethylene Vinyl Acetate) interlayer. This structure enhances impact resistance, provides sound insulation, and offers three times the adhesion strength compared to PVB (Polyvinyl Butyral). The final product is designed to prevent shattering upon impact, thereby maintaining the integrity of the glazing. [To match Architect's sample.]
- 2.1.3 Environmental Benefits: Inherently non-emitting, chemical-free, and durable, promoting material reuse. The interlayer materials used are free from harmful chemicals, contributing to the overall sustainability of a building.
- 2.1.4 Pattern Name: [Sateen™] [Dogwood 1™] or look up a pattern through [www.skyline.glass/patterns](http://www.skyline.glass/patterns).
- 2.1.5 Glass Type: [Clear Glass] [Low-iron Glass] [Velvet Clear Glass] [Velvet Low-iron Glass] [Silk Low-iron Glass] [Clear Mirror] [Low-iron Mirror] [Silk Low-iron Mirror] [Bronze Tinted Glass] [Grey Tinted Glass] [Wave Glass] [Groove Glass] [Pixel Glass]

**Specifier Notes:** We do not recommend laminating a mirror panel with an unpatterned glass panel, as the interlayer can affect the clarity and integrity of the reflective surface.

- 2.1.6 Glass Thickness: [\_\_] inch/mm.
- 2.1.7 Interlayer Color: [OW1™] [SD298™] or look up an interlayer color through [www.skyline.glass](http://www.skyline.glass).
- 2.1.8 Additional Glass Treatment(s): [Annealed.] [Tempered (FT-Ansi-Z97.1).] [Heat Strengthened (HS)] [Monolithic.] [Eco-etched.] [Digitally printed with [Ceramic Frit] [UV] ink.] [Back-Painted.] [Deep Etched.]
- 2.1.9 Back-Paint Color: [Vitracolor® Name] [To match [Skyline sample No. [000000-000].] [Color Reference No. [].]

**Specifier Notes:** When specifying Laminated glass, four surfaces must be identified: Surface 1 (outermost), Surface 2, Surface 3, and Surface 4 (innermost), with the interlayer positioned between Surface 2 and Surface 3.

Decorative techniques such as Eco-etch, Digital Printing, Back-Painting, and Deep Etch can be applied to any of these surfaces, and combinations of these techniques across multiple surfaces are possible. However, since the suitability of these techniques depends on the installation context, we recommend contacting Skyline directly.

The specifier should clearly indicate which surfaces are to receive specific treatments, along with the pattern name and its colorway, to achieve the desired aesthetic effect.

- 2.1.10 Edge Treatment: [Flat polished.] [Seamed.]

## 2.2 Sample Sizes

- 2.2.1 Samples provided by Skyline Design will be available in the following sizes: 4x4, 4x8, or 8x8 inches.

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### Part 3 – Execution

#### 3.1 Installation

- 3.1.1 Follow Skyline Design's installation guidelines. [www.skyline.glass/document/installation-guide-define-vitracolor-back-painted-glass-products/](http://www.skyline.glass/document/installation-guide-define-vitracolor-back-painted-glass-products/). Ensure that all glass materials are handled with care, free from moisture or contamination during installation.
- 3.1.2 Mechanical fasteners are recommended for securing glass.
- 3.1.3 Ensure that glass substrates are clean, dry, and free of dust prior to installation.
- 3.1.4 Glass should be stored in a climate-controlled environment until installation.

#### 3.2 Maintenance

- 3.2.1 Standard Glass Surfaces: Clean with soft, lint-free cloth and a 4:1 water-to-vinegar mixture. Avoid ammonia-based cleaners.
- 3.2.2 Vitracolor® and Other Back-Painted Glass: Clean using isopropyl alcohol. Do not allow cleaning liquids to seep behind the glass or collect in channels. Avoid suction cups and tape adhesives unless specified by Skyline for these products.
- 3.2.3 Eco-etch® Glass: After using any chemical-heavy solution, rinse thoroughly with clean water to remove any residue or film.
- 3.2.4 Digitally Printed Glass with UV Ink: Do not clean finished surfaces for at least 30 days after installation.
- 3.2.5 Deep Etch Glass: Do not clean finished surfaces for at least 30 days after installation.
- 3.2.6 Laminated Glass: Do not use vinegar-based solutions. Prevent cleaning liquids from penetrating the glass edges or seams.

#### 3.3 Handling and Storage

- 3.3.1 Glass must be stored in a climate-controlled space to prevent moisture or condensation build-up.
- 3.3.2 Handle all finished glass with clean glass gloves to avoid damage to the surface.

#### 3.4 Field Quality Control

- 3.4.1 Prior to installation, the client is responsible for testing the glass and adhesive products in the intended environment to confirm suitability.
- 3.4.2 Any defects must be reported to Skyline Design within 3 days of receipt, prior to installation.

### Part 4 – Warranty and Guarantee

#### 4.1 Limited Warranty

- 4.1.1 Products are covered by a limited warranty against manufacturing defects for a specified period, as outlined in the product description.
- 4.1.2 The warranty covers defects related to the glass or finish under normal conditions, including proper cleaning and handling.
- 4.1.3 The warranty does not apply to damage from improper handling, abuse, installation errors, or exposure to harsh environmental conditions.

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### 4.2 Exclusions

- 4.2.1 The warranty does not cover damage from misuse, mishandling, or installation errors.
- 4.2.2 It does not apply to finished glass in environments where it comes into prolonged contact with moisture unless specifically stated.

### 4.3 Warranty Claim Process

- 4.3.1 Clients must provide written notification of defects within 3 days of receipt of the glass panels, prior to installation.
- 4.3.2 In the case of a warranty claim, Skyline Design will review the cause and, at its discretion, repair or replace the affected glass panel.

**END OF SECTION**