



# DIAMALITE™ GLASS PANELS

PRODUCT DATA

**Diamalite Glass Panels** are a lightweight alternative to our standard VividGlass laminated glass panels. They are available exclusively in our LEVELe Elevator Interiors and are ideal when weight restrictions apply.

Diamalite Glass Panels are comprised of a decorative glass inset surrounded by an extruded aluminum frame. Insets consist of an ultra-thin lite of Diamalite glass, one or more decorative interlayers, and a backer. Panel frames offer seamless integration into LEVELe Elevator Interiors and are our standard Capture panel frame design.

## PRODUCT FEATURES

- Suitable for interior applications.
- Requires minimal maintenance: with decorative treatment inside the glass, rather than surface-applied, glass surfaces are easy to clean.
- Products are manufactured to specification and provided cut to size and ready to install.

## MATERIAL DESCRIPTION

Diamalite Glass is defined by three parameters that are key to product specification:

CONFIGURATION	INTERLAYER	FINISH
<p>Refers to the amount of light transmitted – or not – through the glass.</p> <p>Diamalite Glass is available in the Reflect configuration which is comprised of one or more decorative interlayers between a transparent lite of glass and a reflective or non-reflective backer.</p>	<p>The primary visual aspect of the glass.</p> <p>Diamalite Glass can incorporate any of our VividGlass interlayers. Depending on VividGlass family, options range from solid colors to colored patterns and graphics to customer-supplied artwork.</p> <p>For additional information about VividGlass, visit <a href="https://forms-surfaces.com/vividglass">forms-surfaces.com/vividglass</a>.</p>	<p>Defines the surface appearance of your glass selection.</p> <p>Diamalite Glass is available in our Standard finish.</p>

## APPLICATIONS & BENEFITS

Diamalite Glass Panels offer the same impressive design flexibility as our standard VividGlass panels—without the weight.

CAPTURE PANEL FRAME DETAIL	APPLICATIONS
<p>The diagram illustrates the capture panel frame detail. It shows a top-down view of a square glass panel within a frame. Two circular callouts provide cross-sectional views. The first callout shows the glass thickness, labeled as 0.23 in (5.8 mm). The second callout shows the frame depth, labeled as 1.237 in (31.4 mm). A label 'Diamalite Glass' points to the glass panel in the top-down view.</p>	<p>Diamalite Glass Panels are available exclusively in our LEVELe Elevator Interiors, a configurable panelized system that accommodates a wide range of materials. Diamalite Glass Panels incorporate LEVELe Capture panel frames.</p> <p>For versatility across different LEVELe panel sizes and layouts, Diamalite Glass can be specified in any size up to 47" x 78" (1194 mm x 1981 mm)</p> <p>For additional information about LEVELe Elevator Interiors, visit <a href="https://forms-surfaces.com/level-levelc-elevator-interiors">forms-surfaces.com/level-levelc-elevator-interiors</a>.</p>
	BENEFITS
	<p>Diamalite glass provides similar color, transparency, and optical clarity to that of VividGlass. However, there are slight differences. Refer to page 2 for examples.</p> <p>Diamalite glass is highly durable but extremely lightweight. To see examples of the weight difference between LEVELe Elevator Interiors with Diamalite Glass Panels and the same cab design using standard VividGlass panels, refer to page 3.</p> <p>Because Diamalite Glass Panels coordinate seamlessly with LEVELe Elevator Interiors, they can be used in LEVELe cab designs that also incorporate other materials (our Stainless Steel, Fused Metal, Bonded Metal and wood veneer, for example).</p>


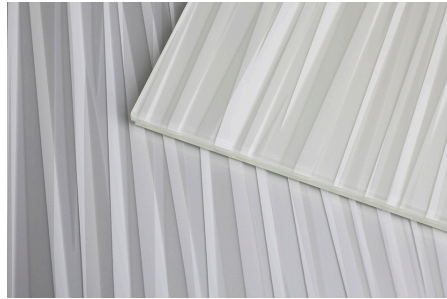
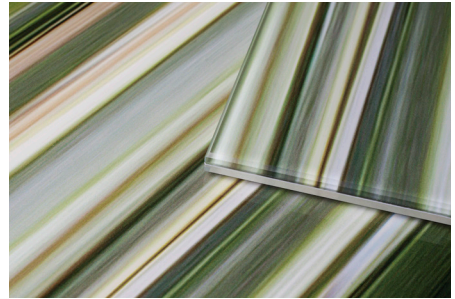


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### COLOR & OPTICAL CLARITY

All of our VividGlass interlayer options can be incorporated into Diamalite Glass Panels, however slight visual differences can be seen. As illustrated below, colors may need to be modified to achieve the desired result, but the optical clarity of pattern and image interlayers appear more defined than with standard VividGlass.

		
<b>GLASS EXAMPLES</b>		
<p>Left: Diamalite Glass, Reflect configuration, with ViviChrome Chromis interlayer in White</p> <p>Right: ViviChrome Chromis glass, Reflect configuration, White interlayer</p>	<p>Left: Diamalite Glass, Reflect configuration, with ViviGraphix Graphica Cairo interlayers in White</p> <p>Right: ViviGraphix Graphica glass, Reflect configuration, Cairo interlayers in White</p>	<p>Left: Diamalite Glass, Reflect configuration, with ViviSpectra Elements Yucca interlayer</p> <p>Right: ViviSpectra Elements glass, Reflect configuration, Yucca interlayer</p>

### GLASS CHARACTERISTICS

ROUTINE MAINTENANCE	SAFETY	FIRE RATING
<p>Diamalite Glass is a non-porous surface. It can be maintained using standard commercial, non-streaking cleaners and polishes formulated for use on glass.</p>	<ul style="list-style-type: none"> <li>• ANSI Z-97.1 – Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings</li> <li>• CPSC 16 CFR 1201 – Safety Standard for Architectural Glazing Materials, Category I and II</li> <li>• CAN/CGSB-12.1-M – Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings</li> </ul>	<p>Diamalite Glass is Class A fire rated in accordance with ASTM designation E84-09, standard test method of surface burning characteristics of building materials. The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.</p>

### TECHNICAL SUPPORT & PROJECT MANAGEMENT

Because each project is unique, our knowledgeable support team is ready to help. Our technical sales, engineering, sustainability and project management professionals regularly assist our clients worldwide. Please contact us to discuss your project's specific needs.






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**ELEVATOR INTERIOR WEIGHT COMPARISON**

The examples below show the weight difference between LEVELe Elevator Interiors with standard VividGlass panels, and LEVELe Elevator Interiors with Diamalite Glass Panels. The dimensions for the elevator weights shown are 60" x 80" x 96".

LEVELe-101	LEVELe-105	LEVELe-107
		
<p>LEVELe-101 Elevator Interior: panels in Stainless Steel with Sandstone finish, Bonded Nickel Silver with Natural Patina and Current pattern, and ViviGraphix Graphica glass with Current interlayer and Standard finish.</p>	<p>LEVELe-105 Elevator Interior: panels in ViviGraphix Graphica glass with Cairo interlayer and Standard finish and ViviChrome Chromis with White interlayer and Standard finish.</p>	<p>LEVELe-107 Elevator Interior: panels in ViviChrome Chromis glass with Ice Grey interlayer and Standard finish, Stainless Steel with Satin finish, and LightPlane Panels in ViviStone Opal Onyx glass with Standard finish.</p>
<b>PANEL WEIGHTS</b>		
<p>Standard VividGlass panels: 470 lbs (214 kg)</p>	<p>Standard VividGlass panels: 920 lbs (418 kg)</p>	<p>Standard VividGlass panels: 900 lbs (490 kg)</p>
<p>Diamalite Glass Panels: 420 lbs (191 kg)</p>	<p>Diamalite Glass Panels: 560 lbs (254 kg)</p>	<p>Diamalite Glass Panels: 690 lbs (314 kg)</p>

**HOW TO SPECIFY**

Design Guides are available for our LEVELe Elevator Interiors to lead you through the specification process in a simple checkbox format. You can also visit the Elevator Design Studio to configure your elevator interior.