

VIVIGRAPHIX[™] GLEAM[™] GLASS

PRODUCT DATA



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VIVIGRAPHIX[™] GLEAM[™] GLASS

PRODUCT DATA

ViviGraphix Gleam is a sophisticated take on laminated glass. As captivating as it is unique, the line is defined by a series of graphic patterns that incorporate light and reflectivity as integral design components. Gleam patterns consist of single or multiple graphic elements: a graphic in the reflective mirror backer only, or a mirror graphic plus one or more graphic interlayers. The mirror graphic establishes each pattern's basic personality; the graphic interlayer(s) increase the visual complexity. Eight patterns are standard and all can be customized using any Pantone, Benjamin Moore or Sherwin Williams color. ViviGraphix Gleam gives designers exciting new ways to make a design statement, influence the atmosphere of a space, play with light, movement and dimension, and tell a personalized color story. With Gleam, whether viewed up close or from a distance, there's always something new to discover.

PRODUCT FEATURES

- ViviGraphix Gleam glass is sold exclusively as part of our wall cladding and other systems, as described in the Products & Applications chart below.
- Can be fabricated in any size up to 60" x 120" (1524 mm x 3048 mm).
- Requires minimal maintenance: with pattern inside the glass, rather than surfaces applied, glass surfaces are easy to clean.
- Products are manufactured to specification and provided cut to size and ready to install.

MATERIAL DESCRIPTION

ViviGraphix Gleam is defined by three parameters that are key to product specification:

CONFIGURATION	PATTERN	FINISH
Refers to the amount of light transmitted, or not, through the glass. To a large extent, the end-use for your glass will determine the glass configuration. As outlined below, two standard options exist.	Gleam patterns consist of single or multiple elements: a mirror graphic in the reflective mirror backer only; or mirror graphic + a color graphic interlayer. Both pattern types	Defines the surface appearance of your glass selection. ViviGraphix Gleam finish options include Pearlex+ and Standard. Refer to page 5 for complete finish
Reflect is a single-sided configuration comprised of a transparent lite of glass laminated to a reflective mirror glass backer. Depending on Gleam pattern selected, there may also be a decorative interlayer between the two lites of glass.	can be further enhanced with the addition of a solid color interlayer. All Gleam interlayer colors can be easily customized using any Pantone, Benjamin Moore or	descriptions.
LightPlane is a panelized edge-lit configuration comprised of a transparent lite of glass laminated to a reflective mirror glass backer. Depending on Gleam pattern selected, there may also be a decorative interlayer between the two lites of glass.	Sherwin Williams color. See pages 3-4 for pattern and color details.	

PRODUCTS & APPLICATIONS

LIGHTPLANE PANELS	LEVELe SYSTEMS	F+S SYSTEMS
ViviGraphix Gleam can be used in our engineered, edge-lit LED LightPlane Panels. LightPlane Panels seamlessly integrate with our LEVELe Elevator Interiors and LEVELe Wall Cladding and Column Systems. LightPlane Panels have the same visible profile as LEVELe Capture panels. LightPlane Panels can also be used as standalone panels.	LEVELe brings diverse material options and the benefits of a panelized system to walls, columns and elevator interiors. LEVELe also readily integrates with LightPlane Panels. ViviGraphix Gleam is available as a standard inset option in the LEVELe Systems at right.	 LEVELe Wall Cladding System LEVELe Column System LEVELe Elevator Interiors LightPlane Panels

GLASS CHARACTERISTICS

ROUTINE MAINTENANCE	SAFETY	FIRE RATING
VividGlass is a non-porous surface. It can be maintained using standard commercial, non-streaking cleaners and polishes formulated for use on glass. Additional details can be found on page 6 of this PDS and in the Architectural Surfaces Care & Maintenance document on our website.	ViviGraphix Gleam is available in annealed glass. For questions about glass strengthening and safety, please contact us.	ViviGraphix Gleam 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.

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CONFIGURATION OPTIONS

REFLECT ViviGraphix Gleam, Reflect, is a single-sided configuration comprised of a transparent lite of glass laminated to a reflective mirror glass backer that incorporates a mirror graphic. Depending on pattern selected, there may also be a decorative interlayer between the two lites of glass. Typical Applications: Reflect is ideal for one-sided applications where the panelized glass will be used against another surface, for example, with LEVELe Elevator Interiors or LEVELe Wall Cladding or Column Systems. (Configuration shown: ViviGraphix Gleam, Reflect, Tempo II) LIGHTPLANE ViviGraphix Gleam, LightPlane, is a panelized edge-lit configuration comprised of a transparent lite of glass laminated to a reflective mirror glass backer that incorporates a mirror graphic. Depending on pattern selected, there may also be a decorative interlayer between the two lites of glass. Typical Applications: LightPlane is ideal for one-sided applications where edge-lit glass will be used against another surface, for example, with LEVELe Elevator Interiors or LEVELe Wall Cladding or Column Systems, or standalone LightPlane Panels. (Configuration shown: ViviGraphix Gleam, LightPlane, Tempo II)

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GRAPHIC INTERLAYER

ViviGraphix Gleam glass is available in the standard patterns shown on pages 3-4. All patterns contain a mirror graphic while select patterns utilize one or more graphic inerlayer for added visual dimension. All Gleam patterns are available in both horizontal and vertical orientations. Patterns can be customized using any Pantone, Benjamin Moore or Sherwin Williams color. Contact us for details and project-specific assistance.

GRAPHIC PATTERNS - REFLECT CONFIGURATION



ALPINE I (Shown in Vertical Orientation)

BREEZE I (Shown in Horizontal Orientation)

STRING OF PEARLS I (Shown in Vertical Orientation)

PRODUCT DATA



ALPINE II (Shown in Vertical Orientation)



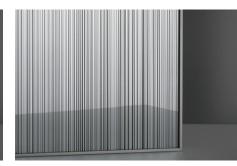
BREEZE II (Shown in Horizontal Orientation)



STRING OF PEARLS II (Shown in Vertical Orientation)



TEMPO I (Shown in Vertical Orientation)



TEMPO II (Shown in Vertical Orientation)

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GRAPHIC PATTERNS - LIGHTPLANE CONFIGURATION

PRODUCT DATA



ALPINE I (Shown in Vertical Orientation)



BREEZE I (Shown in Horizontal Orientation)



STRING OF PEARLS I (Shown in Vertical Orientation)



ALPINE II (Shown in Vertical Orientation)

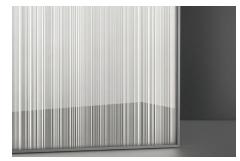


BREEZE II



(Shown in Horizontal Orientation)

STRING OF PEARLS II (Shown in Vertical Orientation)



TEMPO I (Shown in Vertical Orientation)



TEMPO II (Shown in Vertical Orientation)

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FINISH OPTIONS

Glass finish defines the surface appearance of your glass selection. The different options vary in levels of diffusion, reflectivity, glare and optical distortion, and provide unique solutions for the needs of each individual project. Please refer to the chart below for the characteristics of the available glass finishes.

PEARLEX+™	
	Surface: Finely etched
	Diffusion: Minimal
	Reflectivity: Non-reflective
	Glare: Minimal
	Optical distortion: Minimal
	Maintenance: Fingerprint resistant; exceptionally easy to clean
	Durability: Highly durable; extremely scratch-resistant
STANDARD	
	Surface: Smooth
	Diffusion: None
	Reflectivity: Reflective
	Glare: High
	Optical distortion: None
	Maintenance: Easy to clean
	Durability: Durable

HOW TO SPECIFY

A Design Guide is available to lead you through the specification process in a simple, checkbox format. The Design Guide captures all the information needed to generate a quote: configuration, finish, pattern, as well as other options.

GLASS HANDLING GUIDELINES

ORDERING

- Plan the order to avoid off-site storage and to minimize rehandling and time in storage at the job site before installation.
- Prepare boxing, trailer and floor loading schedules in consideration of weight limitations and handling and distribution needs.

RECEIVING

- VividGlass is sold and shipped on an F.O.B. FACTORY basis. Inspect all glass upon arrival.
- Before unloading, inspect handling equipment, rigging and surrounding conditions for safety compliance and inspect the general condition of the shipment for load shifting or possible damage in transit.
- Inspect the shipment for any shortage, abuse, wetness or other transit damage; note such on the bill of lading or delivery ticket and obtain the driver's signature as acknowledgment.
- Inventory received materials; immediately report any shortage to Forms+Surfaces and report concealed damage to the carrier.
- If necessary, file a written freight claim with the carrier and order replacement glass from Forms+Surfaces.

STORAGE

- Store indoors at moderate temperature (above the dew point).
- If outdoor storage is required, shade from direct sunlight and cover with tarp or plastic (for plastic, particularly, allow for air circulation in and around the cases—condensation can lead to glass surface staining).
- · Support both sides of vertically stored cases.
- Wet glass must be towel dried prior to storage as prolonged moisture exposure can cause permanent surface staining.

HANDLING

- During handling, wear hard-hats, safety shoes, gloves, and glazing gauntlets and follow all established safety procedures.
- Remove the lid of the crate and unpack lite-by-lite; never end-pick glass or move partially unpacked cases.
- Exercise care to prevent damage to the glass; edge damage may lead to thermally associated glass breakage after installation.
- Cushion lites at bottom-edge quarter points on soft, firm blocks, free from glass chips, dirt or foreign matter.
- Stack glass on edge and lean against a structural column or other sturdy upright or rack at an angle of five to seven degrees from vertical; place interleaving between lites. Never slide one lite against another.
- Check finished surfaces and glass edges for damage before installation; set only acceptable material.

PROTECTION

- Install finished materials after potentially damaging construction activities nearby—such as welding, sandblasting and fireproofing—have been completed. If the construction schedule does not allow for this, protect the glazing from damage by other processes.
- Immediately after glass is set, identify the openings with streamers or ribbons suitably attached to the framing or surround and held free from the glass; do apply warning markers directly to the glass.

MAINTENANCE

- Shortly after glazing, remove grease or excess glazing materials by cleaning the glass with commercial solvents such as mineral spirits or naphtha, followed by a normal wash and rinse.
- Never use fluoride salts or hydrogen-fluoride producing compounds to wash the glass or surrounding surfaces; avoid use of razor blades or abrasive cleansers.
- Use soft, clean, grit-free cloths and a mild soap, detergent or slightly acidic solution for normal washing, rinse with clean water, and squeegee dry; ordinary commercial windowwashing techniques are appropriate.
- Remove any stains from weathering steel by washing frequently during the weathering period (according to the steel manufacturer's recommendations).
- Remove any runoff from concrete, stucco or other alkaline materials by frequent window washing.
- Please refer to the Architectural Surfaces Care & Maintenance document on our website for additional information.

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PRODUCT PERFORMANCE-COMPLIANCE WITH STANDARDS

VividGlass architectural glass meets the following industry standards, as applicable:

	GLASS QUALITY	SAFETY GLAZING		
	ASTM C1036 – Specification for Flat Glass	ANSI Z-97.1 – Safety Performance Specifications		
	ASTM C1048 – Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass where heat-treated glass is specified	and Methods of Test for Safety Glazing Material Used in Buildings		
UNITED STATES	ASTM C1172 – Specification for Laminated Architectural Flat Glass augmented by VividGlass inspection guidelines for laminated glass, and level CBA rated in accordance with ASTM E-773 – Test Method for Seal Durability of Sealed Insulating Glass Units	CPSC 16 CFR 1201 – Safety Standard for Architectural Glazing Materials, Category I and		
	ASTM C1172-03 – Specification for Maximum Allowable Overall Bow and Warp for Laminated other than Annealed Transparent Glasses			
	ASTM E-774 – Specification for Sealed Insulating Glass Units where insulating glass is specified			
CANADA	CAN/CGSB-12.1-M – Specification for M90 Tempered or Laminated Glass	CAN/CGSB-12.1-M – Safety Performance Specifications and Methods of Test for Safety Glazing Material Used in Buildings		

GLASS THICKNESS & WEIGHTS

GLASS TYPE	GLASS BUILD	TOTAL THICKNESS*	WEIGHT (PER SQUARE FOOT)*			
	3mm lite / interlayer / 3mm lite	7.7 mm (5/16")	3.6 lbs			
LAMINATED 6mm lite / interrlayer / 6mm lite		13.7 mm (9/16")	6.4 lbs			
	10mm lite / interlayer / 10mm lite	22.23 mm (7/8")	10.4 lbs			
	6mm lite	6 mm (1/4")	3 lbs			
MONOLITHIC	10mm lite	10 mm (1/4")	5 lbs			
	12mm lite	12 mm (1/2")	6.4 lbs			

*Total thickness and weights are approximate; actual measurements may vary based on specific product type.

SOUND ATTENUATION

Shear damping by the VividGlass interlayer improves acoustical performance over a wide audible-frequency range and practically eliminates the coincidence dip typical of architectural glass in the 1,000 to 2,000 Hertz band—where significant levels of general environmental noise occur.

For Sound Transmission Class (STC) and Sound Transmission Loss (TL) information, please refer to the table below.

GLASS MAKEUF)	FREQU	FREQUENCY (HZ)																	
GLASS TYPE	TOTAL THICKNESS	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	STC
LAMINATED	7.7 mm (5/16")	25	26	27	28	28	29	30	33	34	35	36	37	37	37	36	38	42	46	35
LAWIINATED	13.7 mm (9/16")	26	29	28	30	33	33	35	36	37	38	38	37	38	41	44	47	51	54	39
MONOLITHIC	6 mm (1/4")	23	25	25	24	28	26	29	31	33	34	34	35	34	30	27	32	37	41	31
WUNULITHIC	12 mm (1/2")	26	30	26	30	33	33	34	36	37	35	32	32	36	40	43	46	50	51	36

ULTRAVIOLET (UV) SCREENING

VividGlass laminated glass transmits less than one-tenth of one percent of UV. It blocks over 99.5% of solar radiation at wavelengths 380 NM and below, where by comparison, 1/4" clear float glass transmits over 70%.

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GRAPHICS DIMENSIONS AND TOLERANCES

GRAPHIC FEATURE	MENSION					
Size	±1/8"	±3.2 mm				
Registration	±1/8"	±3.2 mm				
Color Trap	+1/8"	+3.2 mm				
Panel-to-Panel Match	±1/4"	±6.4 mm				

Registration is placement of the interlayer within the glass area. The **Color Trap** is the overlap of adjoining imprinted densities or colors. **Panel-to-Panel Match** can be controlled more tightly in the field, during glazing, when the glazing system is designed to accommodate shimming.

INSPECTION GUIDELINES

VISION AREA GLAZING - To incorporate unique product characteristics, the following table supersedes ASTM C1172, Table 3.

CHARACTERISTIC	SIZE THRU 25 SF (2.	33M2)	SIZE OVER 25 SF (2.3	SIZE OVER 25 SF (2.33m2)		
CHARACTERISTIC	CENTRAL	OUTER	CENTRAL	OUTER		
Boil (Bubble)	1/16" (1.6 mm)	3/32" (2.4 mm)	1/8" (3.2 mm)	3/16" (4.8 mm)		
Play In Edge Deil	NI/A	C 1/4" (6.4 mm)	N/A	C 1/4" (6.4 mm)		
Blow-In, Edge Boil	N/A	E 1/32" (0.8 mm)	IN/A	E 1/16" (1.6 mm)		
Discoloration	None	None	None	None		
Fuse	1/32" (0.8 mm)	1/16" (1.6 mm)	1/16" (1.6 mm)	3/32" (2.4 mm)		
Hair, Lint (Single Strand)	Light	Medium	Light	Medium		
Inside Dirt (Spot)	1/16" (1.6 mm)	3/32" (2.4 mm)	3/32" (2.4 mm)	5/32" (4.0 mm)		
Concentrated Lint (Area)	Light	t Light		Light		
Slippage, Mismatch	N/A	1/16" (1.6 mm)	N/A	3/32" (2.4 mm)		
Separation, Delamination	None	1/4" (6.4 mm)	None	1/4" (6.4 mm)		
Short Interlayer	N/A	C 1/4" (6.4 mm)	N/A	C 1/4" (6.4 mm)		
Short intenayer	IN/A	E 1/16" (1.6 mm)	IN/A	E 3/32" (2.4 mm)		
Interlayer Scuff, Dirt Streak	Light	Light	Light	Light		
Interlayer Edge Ripple	N1/A	C 1/2" (12.7 mm)	N1/A	C 1/2"		
6" (15.2 cm) max length	N/A	E 3/8" (9.5 mm)	N/A	E 3/8" (9.5 mm)		
Interlayer Pinholes, Voids 1/16" (1.6mm) max diameter	No Clusters	Clusters	No Clusters	Clusters		
Interlayer Streaking, Mottling	Medium	Medium	Medium	Medium		
Interlayer Roll-Wave Distortion	Heavy	Medium	Heavy	Medium		

The **Central Area** is an area formed by an oval or circle whose axes or diameters, when centered, do not exceed 80% of the overall dimension; the **Outer Area** is the remaining perimeter.

 \mathbf{C} = Conventionally glazed, unexposed edge; \mathbf{E} = Butt-glazed or other exposed edge

Light = Barely noticeable when viewed from a distance of three feet (one meter) under normal lighting conditions

Medium = Noticeable from three, but not 11 feet (one, not 3.5m)

Heavy = Plainly noticeable from any viewing distance

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SEALANTS

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Various non-hardening, solid sealants can be used successfully with VividGlass. In product selection, consider such factors as weather resistance and other fundamental mechanical properties, durability, cost, and compatibility with other glazing components, including the laminated glass itself, if direct sealant-to-edge contact is anticipated.

The VividGlass interlayer system is an advanced derivative of DuPont Butacite[®]. In direct sealant-to-edge contact, low molecular-weight sealant by-products—like water, plasticizers, solvents, acetic acid, ammonia, alcohol, and amines—may lead to potentially objectionable interlayer discoloration or minor edge separation. Because formulations vary over time and by manufacturer, compatibility testing of components should be initiated by the glazing contractor and conducted by the sealant manufacturer for critical applications. Where silicone is considered in such details, it should be non-acidic, neutral curing (alkoxy type). Acetoxy type silicone is not compatible with architectural laminated glass.

Sealants should be applied according to the manufacturer's recommendations. Work should be done only with clean, dry surfaces. Temperature during installation should be above 50°F (10°C) and for 24 hours after application. To limit thermal edge stress in conventional setting systems, the exterior watershed should be limited to 1/16".

MASTIC ADHESIVES

VividGlass products in the Reflect configuration are compatible with any high-quality mirror mastic such as CRL Gunther Mirror Mastic[®]. When applying mirror mastic avoid direct contact with the edges of the glass.

GLAZING GUIDELINES

GENERAL PRINCIPLES

- The glazing system must structurally support the glass, firmly and gently. It must cushion to prevent load points and excessive clamping pressures, isolate rotational forces, and minimize load transfer from the surround to the glass. For exterior applications, the glass must float in the frame and allow no metal-to-glass contact. For laminated or insulating glass, the glazing channel also must be drained to prevent prolonged moisture contact with the edge.
- Design for a properly functioning glazing system requires consideration of a number of factors including design modules, glass types and compatibility between components. Following the outlined glazing principles will assure a durable exterior installation and minimize glass breakage due to mechanical and thermal stresses. Reference to current guidelines published by the Glass Association of North America (GANA), American Architectural Manufacturers Association (AAMA), and Sealed Insulating Glass Manufacturers Association (SIGMA), as applicable, is recommended.
- Modification to these recommendations may be appropriate for special glazing systems, including pre-formed lock-strip gaskets, skylight systems, structural setting systems, bolt
 and plate assemblies, and interior glazing.

FRAMING SYSTEM

- Curtain wall or window anchors and expansion joints should be designed to accommodate building and wall movement without transfer of undue forces to the framing. Horizontal expansion joints should be provided at each vertical member, or at 20' maximum spacing. Vertical expansion should be allowed at each floor. The system should be designed to permit erection with expansion joints almost fully open in cold weather and almost fully closed in hot weather.
- At design loads, inward and outward deflection of glass framing members must be limited to the length of the unsupported span divided by 175, or 3/4", whichever is less. Horizontal deflection of the sill member should be limited to prevent breakage. A limit of 1/8", or 25% of design edge clearance, whichever is less, is recommended. Rotation or twisting of the sill member should be limited to one degree from horizontal plane.
- The framing system should provide openings which are square within 1/8" difference in the diagonals, have maximum corner offset of 1/32", and have maximum bow of 1/16" per 4' length.

SURROUNDING CONDITIONS

- When annealed glass is exposed to direct sunlight and set directly into a high heat-capacity material, such as concrete, it may be unable to withstand the resultant thermal stresses.
- Depending on thermal absorbance of the glass selected, the time of year, and temperature extremes, thermal stress due to exterior shading may be problematic. Maximum stress from this source occurs when a narrow shadow band, 1-2" wide, lingers at the glass edge for an hour or longer. Combinations of narrow horizontal, vertical and diagonal shadows create greater edge stress. Double-diagonal shading with the sunlit V-shape centered at an edge creates high stress.
- Please keep in mind, the position of interior shading devices and heating outlets can affect the degree of thermal stress in glass.
- Heat strengthening adds sufficient strength to withstand most adverse conditions and is recommended for the glass when the designer believes the application warrants additional thermal-stress resistance.

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THE GLAZING CHANNEL

The glazing channel must be dimensioned to adequately cushion and retain the glass, while minimizing thermal stress and preventing metal-to-glass contact. It must accommodate glass fabrication tolerances and facilitate initial and replacement glazing, free from probable edge damage.

The nominal bite and minimal edge and face clearances detailed below should be provided. Units are expressed in inches (millimeters).

GLASS TYPE	NOMINAL THICKNESS	}	MINIMAL FACE CLEARANCE	MINIMAL EDGE CLEARANCE	NOMINAL BITE
	Overall Thickness	9/32" (6.9 mm)	1/8" (3.2 mm)	1/4" (6.4 mm)	3/8" (9.5 mm)
	Glass Lites, Interlayer	2 lites 1/8", 0.037" (3 mm, 0.9 mm)			
	Overall Thickness	5/16" (7.7 mm)	1/8" (3.2 mm)	1/4" (6.4 mm)	3/8" (9.5 mm)
	Glass Lites, Interlayer	2 lites 1/8", 0.067" (3 mm, 1.7 mm)			
	Overall Thickness	17/32" (12.9 mm)	1/8" (3.2 mm)	1/4" (6.4 mm)	1/2" (12.7 mm)
SINGLE	Glass Lites, Interlayer	2 lites 1/4", 0.037" (6 mm, 0.9 mm)			
SINGLE	Overall Thickness	9/16" (13.7 mm)	1/8" (3.2 mm)	1/4" (6.4 mm)	1/2" (12.7 mm)
	Glass Lites, Interlayer	2 lites 1/4", 0.067" (6 mm, 1.7 mm)			
	Overall Thickness	25/32" (20.9 mm)	3/16" (4.8 mm)	1/4" (6.4 mm)	1/2" (12.7 mm)
	Glass Lites, Interlayer	2 lites 3/8", 0.037" (10 mm, 0.9 mm)			
	Overall Thickness	13/16" (21.7 mm)	3/16" (4.8 mm)	5/16" (7.9 mm)	1/2" (12.7 mm)
	Glass Lites, Interlayer	2 lites 3/8", 0.067" (10 mm, 1.7 mm)			
	Overall Thickness	1-1/32" (26.2 mm)	3/16" (4.8 mm)	1/4" (6.4 mm)	1/2" (12.7 mm)
	Glass Lites, Interlayer	1 lite 9/32" (7 mm) lam			
		1/2" cavity			
INSULATING		1 lite 1/4" (6 mm)			
INSULATING	Overall Thickness	1-1/16" (27 mm)	3/16" (4.8 mm)	1/4" (6.4 mm)	1/2" (12.7 mm)
	Glass Lites, Interlayer	1 lite 5/16" (8 mm) lam			
		1/2" cavity			
		1 lite 1/4" (6 mm)			

The system must drain adequately to assure that the edge of the glass will not be submersed in water for prolonged periods of time. If weep holes are used, they should be minimally 5/16" diameter, or elongated slots of similar area, so they will not become easily plugged or bridge over due to surface tension. Three holes should be used at each sill in the bottom of the glazing channel—one in the center and two flanking, between jamb and setting block.

SETTING BLOCKS	SPACERS AND OTHER GLAZING ACCESSORIES
• Setting blocks made of permanently resilient neoprene, silicone, or other material compatible with the sealants used, 80-90 Shore A Durometer hardness, should be located in the sill glazing channel to support the glass.	• Continuous rubber-like sealant beads, gaskets or spacers should be used to maintain face clearances within the glazing channel. For wet-glazing systems, intermittent shims, 40-60 durometer, inserted on both sides of the glass, opposite each other on 18-24" centers around the perimeter, sized minimally 4" long, to provide at least 1/8" purchase on the edge, and to fit snugly, may be used for centering until the sealant cures.
Two should be used per lite, centered at quarter points to support half the weight of the lite.	• Gaskets or spacers should be made of permanently resilient sealant-compatible material. Their hardness will depend on specific design function.
• The length of each block should be 0.100" for each square foot of glass area, but not less than 6"; width should be 1/16" less than the full channel width; and height should be appropriate to provide proper bite and edge clearance.	• For large lites in dry-glazing systems, edge blocks should be used to in the vertical glazing channels to limit any potential lateral shifting of the glass due to vibration, wind loading, or thermal forces. These should be pre-cured, resilient neoprene, silicone, or other material compatible with the sealants used; 40-60 Shore A Durometer hardness; and sized 6" in length by full-channel width by edge clearance less 1/8" height to allow a little initial space between the block and the edge of the glass.
	• The joints of dry-glazing gaskets should be cut and sealed in accordance with the manufacturers' recommendations to create a watertight and airtight seal.

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