



***GUIDELINES FOR
PRODUCT SELECTION
AND ORDERING***



**WALKER TEXTURES®
ACID-ETCHED GLASS & MIRROR**

GUIDELINES FOR PRODUCT SELECTION AND ORDERING

PRODUCT SELECTION CRITERIA

FULL SURFACE ETCHED GLASS AND MIRROR

Walker Textures® full surface etched glass is available in four distinct finishes. As the roughness of the surface slightly increase, the level of light diffusion and opacity increases as well. Select the appropriate finish for each application based on the criteria below.

FINISH	OPACITY	SURFACE	CLEANABILITY
Walker Textures® Satinlite	Least opaque ↓ ↓ ↓ Most opaque	Smoothest ↓ ↓ Slightly rougher	Most contaminants are easily removed ↓ Certain contaminants may be more difficult to remove
Walker Textures® Satin			
Walker Textures® Velour			
Walker Textures® Opaque			

DECORATIVE PATTERNS – WALKER TEXTURES® NUANCE

Walker Textures® Nuance uses a flexible fabrication technique that enables customers to obtain, subject to certain limitations, an almost endless combination of linear stripes as well as precision designed mosaics and patterns and all in a distinctive “two-tone” or “one-tone” acid-etched finish.

Patterns and finishes are available in the following combinations:

- Series 100 – Velour finish on Satin finish
- Series 200 – Velour finish on clear glass
- Series 300 – Satin finish on clear glass
- Series 500 – Velour finish on clear glass, on both sides
- Series 600 – Satin finish on clear glass, on both sides

Continues...

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PRODUCT SELECTION CRITERIA (Cont.)

SLIP RESISTANT SURFACE – WALKER TEXTURES® TRACTION

Walker Textures® Traction is a line of anti-slip acid-etched glass. It consists of two well known patterns 406 and 407, as well as Force a full surface etch without any pattern at all. These finishes are available on one side only.

The **Walker Textures® Traction** anti-slip acid-etched glass products ally discretion, light transmittance, durability, safety and add an undeniable sophisticated touch of design. The coefficient of friction for the three Traction options has been calculated based on ANSI A137.1:2012 Section 9.6 - Procedure for Dynamic Coefficient of Friction (DCOF).

Traction glass is typically used as part of a multi-layer glass assembly requiring appropriate engineering. Please consult a structural engineer before designing a glass stair tread or floor.

BIRD FRIENDLY GLASS – WALKER TEXTURES® AVIPROTEK®

Walker Textures® full surface and **AviProtek®** patterned acid-etched glass products provide bird collision deterrence properties in exterior glazing applications. Product selection should be based on design intent and type of application in conjunction with the threat factors enumerated below.

Threat Factors (Note 1)

- Patterns: 23 to 31 on position 1 (69% to 77% of times, birds will avoid collision)
- Full Surface: 5 on position 1 (95% of times, birds will avoid collision)
25 on position 2 (75% of times, birds will avoid collision)

Note 1: According to the American Bird Conservancy’s standard, a bird-friendly building should have at least 90% of exposed façade material from ground level to 40 feet that has been demonstrated in controlled experiments to deter 70% or more of bird collisions.

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PRODUCT SELECTION CRITERIA (Cont.)

WALKER TEXTURES® TRANSITION – TRUE FADE OR GRADIENT

TRUE FADE

The **Walker Textures® Transition True Fade** process provides an etched finish that subtly fades into a clear, fully transparent area. The smoothness and level of translucency of the most opaque area falls in between our Satin and Velour finishes.

The **True Fade** effect is a custom option based on the following specifications:

Glass Substrates: Clear or Low Iron, other substrates available on demand

Thicknesses: 3mm to 19mm, subject to availability

Sizes: Min 60"x130"; Max 96"x144"

Visible span of the fading effect: Over 4" only

Direction of the fading: Vertical or Horizontal but not both

Maximum number of transitions on stock sheet: 2 (Opaque to Clear to Opaque OR Clear to Opaque to Clear)

Available on atmosphere side of the glass only

Minimum quantity: Half a 4000lbs block, if balance is taken as raw glass

Packaging: Stoce or case with paper interleaving

APPROVAL BEFORE PRODUCTION

Walker Textures® Transition requires that a full size rendering of the True Fade specifications be etched on a stock sheet of the required glass substrate and be approved by the customer before making the production order.

GRADIENT

The **Gradient** effect is achieved with a pixelated dot pattern. The process and specifications are similar to **Walker Textures® Nuance**, except for the following:

Dot size: 1/8"

Density range: No minimum or maximum

Span range: No minimum or maximum

Finish of the etched dot: Velour

The customer must supply a drawing and details covering the above specifications.

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PRODUCT SELECTION CRITERIA (Cont.)

LOW-E COATED ACID-ETCHED GLASS

Full surface or patterned acid-etched finishes from **Walker Textures®** are available on surface 1 with Solarban® high performance coatings from Vitro Glass on surface 2.

The combination of **Walker Textures®** finishes and Solarban® high performance coatings from Vitro Glass offers the architectural community an opportunity to optimize design and solar performance objectives to achieve a truly unique glazing system.

The **Walker Textures®** acid-etched finishes do not have any significant impact on solar performance values. Therefore, values will be similar to glass without acid-etched glass.

Patterns and finishes are available in the following combinations:

Position 1 – Walker Textures®

- Full surface acid-etched glass finishes: Opaque, Velour or Satin
- Patterned acid-etched glass: all standard or custom Nuance patterns
- Bird-friendly acid-etched glass: all standard or custom **AviProtek®** (except **Aviprotek® T**)

Position 2 - Solarban® Solar Control Low-E Glass by Vitro Glass

- Solarban® 60 VT
- Solarban® 70XL VT

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WALKER TEXTURES® ACID-ETCHED GLASS & MIRROR

GUIDELINES FOR PRODUCT SELECTION AND ORDERING

PRODUCT AVAILABILITY

Walker stocks a wide selection of standard substrates and finishes across the full range of **Walker Textures®** products and finishes. Non-stock products are also available on demand subject to certain conditions and limitations. For product availability, consult the Product Availability Tables below.

WALKER TEXTURES® PRODUCT AVAILABILITY

Acid-etched Glass (on 1 side)

Opaque	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
Clear	2	2	2	2	2	2	2	2	2
Bronze	2		2	2		2	2		
Grey	2		2	2		2	2		
Blue				2					
Black			2	2					
Low-iron/Starphire Ultra-Clear™	2		2	2	2	2	2	2	2

Velour **	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
Clear	2	2	2	4	3	4	4	3	2
Bronze	3		3	3		3	3		
Grey	3		3	3		3	3		
Blue				3					
Black			3	3					
Low-iron/Starphire Ultra-Clear™	2	3	3	2	3	2	2	3	3

Satin	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
Clear	2	2	2	2	2	2	2	2	2
Bronze			2	2		2	2		
Grey			2	2		2	2		
Blue				2					
Black			2	2					
Low-iron/Starphire Ultra-Clear™	2		2	2	2	2	2	2	2

Satinlite	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
Clear	2		2	2		2	2		
Low-iron/Starphire Ultra-Clear™	2		2	2		2	2		

Oct 2017

1 Available in 4,000 lb quantities or less in standard dimension of 96" x 130"
Subject to certain conditions, contact customer service for further details

2 Available in 4,000 lb quantities or more in standard dimension of 96" x 130"

3 Available on demand. Subject to minimum quantities. Other dimensions to be confirmed

4 Available in 4,000 lb quantities in standard dimension of 96" x 130"
Also available in 4,000 lb quantities or more in standard dimension of 100" x 144"

****** Velour finish is available up to oversized dimension of 100" x 204". To request a custom quote, please contact our Customer Service department

- Dimensions are subject to glass availability and process compatibility

- both sides is demand except **Satinlite** is subject to minimum quantities.

- **Satin** finish etched on both sides is not available in thicknesses from 10mm to 19mm on all glass substrates.

- **Walker Textures®** product availability is subject to change without notice

Continues...

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PRODUCT AVAILABILITY (Cont.)

WALKER TEXTURES® PRODUCT AVAILABILITY

Acid-etched Mirror

Satin	3 mm	4 mm	5 mm	6 mm
Clear	2	2	2	1
Bronze			2	1
Grey			2	1
Blue				2
Black			2	2
Low-iron	2		2	1

Opaque	3 mm	4 mm	5 mm	6 mm
Clear	2	2	2	2
Bronze	2		2	2
Grey	2		2	2
Blue				2
Black			2	2
Low-iron	2		2	1

Oct. 2017

* **Walker Textures®** product availability is subject to change without notice

1 Available in 4,000 lb quantities or less in standard dimension of 96" x 130"

2 Available in 4,000 lb quantities or more in standard dimension of 96" x 130"

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GUIDELINES FOR PRODUCT SELECTION AND ORDERING

PRODUCT AVAILABILITY (Cont.)

WALKER TEXTURES® STANDARD PATTERNED ACID-ETCHED GLASS PRODUCT AVAILABILITY

NUANCE	Glass	3 mm	4 mm	6 mm	8 mm	10 mm	12 mm	19 mm
Patterns 101, 102, 103, 111, 302, 511, 512	Clear	2	2	1	2	1	2	2
	Bronze			2				
	Grey			2				
	Blue			2				
	Black			2				
	Low-Iron/Starphire Ultra-Clear™			2		2	2	2
AVIPROTEK								
AVIPROTEK	Glass	3 mm	4 mm	6 mm	8 mm	10 mm	12 mm	19 mm
Patterns 211, 213, 214, 215, 216, 217	Clear			2				
	Low-Iron/Starphire Ultra-Clear™			2				

WALKER TEXTURES® TRACTION PRODUCT AVAILABILITY

TRACTION	Glass	3 mm	4 mm	6 mm	8 mm	10 mm	12 mm	19 mm
Force (full surface) Patterns 406, 407	Clear			2		1	2	
	Low-Iron/Starphire Ultra-Clear™			2		2	2	

May 2017

Walker Textures® product availability is subject to change without notice

1 Product available in 4,000 lb quantities or less in standard dimension of 96" x 130"
Subject to certain conditions, contact customer service for further details

2 Product available in 4,000 lb quantities in standard dimension of 96" x 130"

Custom and exclusive products

- Custom and/or exclusive patterns are available on demand (except for **Traction**). Please contact customer service for more details.
- Minimum quantity: 4,000 lb (example: 1,000 sq ft of 6mm glass)

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PRODUCT AVAILABILITY (Cont.)

LOW-E COATED ACID-ETCHED GLASS PRODUCT AVAILABILITY

(Pos. 1)	6mm	Solarban® 60 VT (Pos. 2)	Solarban® 70XL VT (Pos. 2)
Full surface etched glass (Opaque, Satin, Velour) or decorative etched patterns Minimum quantity: 1 stoce 4,000 lbs	Clear Glass	X	X
	Starphire Ultra-Clear™ glass	X	

Walker Textures® with Solarban® glass products are only available from members of the Vitro Certified™ Network only

Product available in full pack quantity, in standard dimension of 96" x 130", subject to certain conditions

Other substrates available on demand, subject to minimum quantity

Custom decorative etched patterns are available on demand

For bird-friendly glass product availability, refer to the **Walker Textures® AviProtek®** guidelines for product selection and ordering

Walker Textures® product availability is subject to change without notice May 2017

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GUIDELINES FOR PRODUCT SELECTION AND ORDERING

ORDERING GUIDELINES

All orders should include the following product information:

- **Walker Textures®** finish type or pattern number
- Low-E coating number of Vitro Glass Solarban® glass product, if applicable
- Glass substrate (clear, low-iron* or specific tint)
- Glass thickness
- Stock sheet size

* Tempering of low-iron glass is recommended to correct slight color variances caused by the **Walker Textures® Nuance, Traction** and **AviProtek®** manufacturing processes.

SAMPLES

Samples can be ordered as follows:

- **Walker Textures®** sample kit
- 12" x 12" samples in selected substrates and thicknesses
- Mock-up for qualified projects

DIRECTIONAL PATTERNS

Certain patterns in the **Walker Textures® Nuance** and **AviProtek®** product lines have a clearly directional orientation. When ordering stock sheets or cut sizes, the directional orientation should be designated by listing the length along which the pattern runs as the first dimension and a drawing should be supplied to confirm your requirements.

LINEAR PATTERN TOLERANCES

- Stripe width tolerance: +/- 1/16"
- Squareness tolerance (stripes vs edge of sheet): +/- 1/4"

RULES FOR CUSTOM PATTERNS

- Minimum width of spaces between etched lines: 1/25" (1mm)
- Minimum width of etched lines: 1/25" (1mm)

Continues...

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ORDERING GUIDELINES (Cont.)

CUSTOM AND EXCLUSIVE PATTERNS – Additional order requirements

In order to create a custom or exclusive pattern, the customer must supply the camera-ready artwork in electronic format for the creation of the film that will be used for the sample and the full sized sheet. The file format specifications are:

- Software: Illustrator in AI format
- Required dimensions: 70 ½" x 128 ½" (72" x 130"), 82 ½" x 128 ½" (84" x 130") or 94 ½" x 128 ½" (96" x 130") – No bleed
- Resolution: Vectorial

Drawings must include specifications. Two drawings must be submitted. Each of them indicating which surface of the glass sheet is to be acid-etched. Either surface 1 or surface 2. Opaque etched areas, lighter etched areas and non-etched areas must also be well identified to ease process and limit margin of error. Please contact customer service for more details.

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LEED POINTS

Green design not only makes a positive impact on public health and the environment, it can also reduce operating costs and enhance building spaces and surroundings.

LEED fits into this initiative by providing rating systems that are voluntary and based on generally accepted energy and environmental principles.

The LEED rating systems are developed by the U.S. Green Building Council (USGBC) committees, in adherence with USGBC policies and procedures guiding the development and maintenance of rating systems. They are applicable to new commercial construction and major renovation projects.

Under the LEED rating system, only projects are rated. There is no rating or certification system for raw materials or suppliers thereof. However, Walker Glass Co. Ltd. can help users of our products, and more specifically building owners; get LEED points by providing the following information:

- Distance between place of manufacturing and project site location (idem)
- Properties of our products, including light transmittance and diffusion (see Product Specifications)

The US Green Building Council's Leadership in Energy and Environmental Design (LEED) has added Credit 55: Bird Collision Deterrence, to their Pilot Credit Library in October 2011. For more information please visit: <http://www.usgbc.org/credits/core-shell-existing-buildings-healthcare-new-construction-retail-nc-schools/v2009/pc55>.

Walker Textures® AviProtek® products can contribute to this credit by referring to their related threat factors. For more information, please refer to the **Walker Textures® AviProtek®** section of this document.

The above information is available on demand. Do not hesitate to contact your sales representative or our customer service department.

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