

GUIDELINES FOR PRODUCT SELECTION AND ORDERING

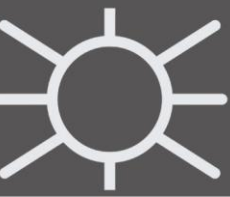
IMPORTANT NOTE

This document has precedence over information published in other Walker print or digital material

Walker Glass Company Ltd.

9551 Ray-Lawson Blvd, Montreal, Qc, Canada H1J 1L5

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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 increases, 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 ↓ ↓ ↓ V ↓ Most opaque	Smoothest ↓ ↓ ↓ V ↓ Slightly rougher	Most contaminants are easily removed ↓ ↓ V Certain contaminants may be more difficult to remove
Walker Textures® Satin			
Walker Textures® Velour			
Walker Textures® Opaque			

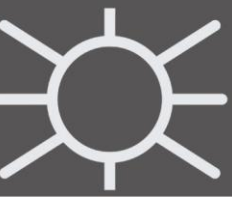
DECORATIVE PATTERNS – WALKER TEXTURES® NUANCE

Walker Textures® Nuance uses a flexible fabrication technique that enables customers to obtain, subject to certain limitations, an almost endless combinations 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...



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 patterns 406 and 407, available on one side only.

The **Walker Textures® Traction** anti-slip acid-etched glass products combine discretion, light transmittance, durability, safety and add an undeniable sophisticated touch of design. The coefficient of friction for the 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.

WALKER TEXTURES® GRADIENT

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

Dot size: 1/8"

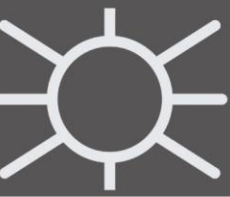
Density range: No minimum or maximum

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.)

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 is based on design intent and type of application in conjunction with government regulations as applicable.

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 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 Architectural Glass**

- Solarban® 60 VT, Solarban® 67 VT, Solarban® 70 VT, Solarban® 72 VT, Solarban® 90 VT
- Other Solarban® high performance coatings are available on demand. Please check with Walker Customer Service.

OVERSIZE ACID-ETCHED GLASS

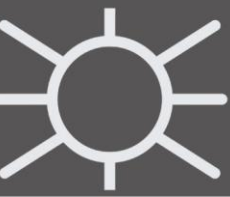
The Velour full surface acid-etched glass finish is available in oversize dimensions.

- Thicknesses: 6 mm, 10 mm and 12 mm
- Dimensions: 100" x 168" or 100" x 204"
- Substrates: Clear and low-iron
- Surface: One side only
- Availability: Minimum quantity: 2 blocks of the same thickness – 8,000 lbs each

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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 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	3	2	2	3	2	2	N/A	N/A
Grey	2	3	2	2	3	2	2	N/A	N/A
Blue	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A
Black	3	3	2	2	N/A	N/A	N/A	N/A	N/A
Low-iron/Starphire Ultra-Clear™	2	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	3
Bronze	3	3	3	3	3	3	3	N/A	N/A
Grey	3	3	3	3	3	3	3	N/A	N/A
Blue	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A
Black	3	3	3	3	N/A	N/A	N/A	N/A	N/A
Low-iron/Starphire Ultra-Clear™	2	2	3	4	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	N/A	3	2	2	3	2	2	N/A	N/A
Grey	N/A	3	2	2	3	2	2	N/A	N/A
Blue	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A
Black	N/A	3	2	2	N/A	N/A	N/A	N/A	N/A
Low-iron/Starphire Ultra-Clear™	2	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	3	2	2	3	2	2	3	3
Low-iron/Starphire Ultra-Clear™	2	2	2	2	3	2	2	3	3

June 2021

- 2** Available in 4,000 lb quantities or more in standard dimension of 96" x 130"
- 3** Available on demand. Subject to minimum quantities. 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 in oversized dimensions of 100" x 168" or 100" x 204".
Minimum 2 blocks of the same thickness - **8,000** lbs each. One face only.

Dimensions are subject to glass availability and process compatibility

Walker Textures® product availability is subject to change without notice

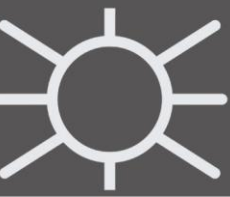
N/A: Product is not available

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PRODUCT AVAILABILITY (Cont.)

WALKER TEXTURES® SIZE AVAILABILITY
Acid-etched Glass

Velour 1F & 2F	Minimum length
	100"
	Maximum length
	144"
	Widths
	72", 84", 96", 100"
Velour oversize	Size options
	100" x 168" and 100" x 204"
Opaque 1F & 2F	Size options
	96" x 120", 60" x 130", 72" x 130", 78" x 130", 84" x 130", 90" x 130", 96" x 130", 96 x 144
Satin 1F & 2F, Satinlite	Size options
	96" x 120", 72" x 130", 84" x 130", 96" x 130", 96 x 144

December 2021

Above is for information purpose and subject to change without notice

Dimensions are subject to glass availability

Subject to minimum quantities.

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PRODUCT AVAILABILITY (Cont.)

WALKER TEXTURES® PRODUCT AVAILABILITY

Acid-etched Glass (2 FACES)

Opaque	6 mm	10 mm	12 mm	15 mm	19 mm
Clear	2	2	2	2	2
Bronze	2	2	2	N/A	N/A
Grey	2	2	2	N/A	N/A
Blue	2	N/A	N/A	N/A	N/A
Black	2	N/A	N/A	N/A	N/A
Low-iron/Starphire Ultra-Clear™	2	2	2	2	2

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

Satin	6 mm	10 mm	12 mm	15 mm	19 mm
Clear	2	N/A	N/A	N/A	N/A
Bronze	2	N/A	N/A	N/A	N/A
Grey	2	N/A	N/A	N/A	N/A
Blue	2	N/A	N/A	N/A	N/A
Black	2	N/A	N/A	N/A	N/A
Low-iron/Starphire Ultra-Clear™	2	N/A	N/A	N/A	N/A

March 2020

- 2** Available in 4,000 lb quantities or more in standard dimension of 96" x 130"
- 3** Available on demand. Subject to minimum quantities. 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"

Dimensions are subject to glass availability and process compatibility

Other dimensions available on demand

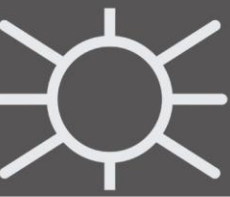
N/A: Product is not available

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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	2
Bronze	N/A	3	2	1
Grey	N/A	3	2	1
Blue	N/A	N/A	N/A	2
Black	N/A	3	2	2
Low-iron	2	2	2	1

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

March 2020

1 Available in 4,000 lb quantities or less in standard dimension of 96" x 130"
Minimum quantity equivalent to 20 mm of glass (block) or 50 mm of glass (case)
eg. 4 sheets of 6 mm in a block or 9 sheets of 6 mm in a case

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

3 Available on demand. Subject to minimum quantities. Dimensions to be confirmed

N/A: Product is not available

Walker Textures® product availability is subject to change without notice

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PRODUCT AVAILABILITY (Cont.)

WALKER TEXTURES® NUANCE ACID-ETCHED GLASS PRODUCT AVAILABILITY

NUANCE	Glass	3 mm	4 mm	6 mm	8 mm	10 mm	12 mm	19 mm
Decorative Patterns 101, 102, 103, 111, 302, 511, 512	Clear	2	2	2	2	2	2	2
	Bronze			2				
	Grey			2				
	Blue			2				
	Black			2				
	Starphire Ultra-Clear™			2		2	2	2

WALKER TEXTURES® TRACTION PRODUCT AVAILABILITY

TRACTION	Glass	3 mm	4 mm	6 mm	8 mm	10 mm	12 mm	19 mm
Anti-slip surface with patterns 406, 407	Clear			2		2	2	
	Starphire Ultra-Clear™			2		1	2	

June 2021

- 1** Product available in 4,000 lb quantities or less in standard dimension of 96" x 130"
Minimum quantity equivalent to 20 mm of glass (block) or 50 mm of glass (case)
eg. 4 sheets of 6 mm in a block or 9 sheets of 6 mm in a case

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

Sizes 72" x 130" and 84" x 130" available on demand

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)

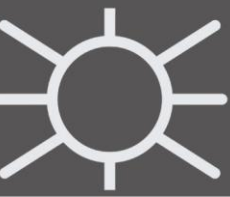
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PRODUCT AVAILABILITY (Cont.)

LOW-E COATED ACID-ETCHED GLASS PRODUCT AVAILABILITY

(Pos. 1)	Glass Substrate	Thickness	Coating on Pos. 2
Full surface etched glass (Opaque & Satin) or decorative etched patterns	Clear Starphire Ultra-Clear® Acuity™ low-iron Solargray Solarbronze	6mm (other thicknesses available on demand, subject to minimum quantity)	Solarban® 60 VT Solarban® 67 VT Solarban® 70 VT Solarban® 72 VT Solarban® 90 VT

Solarban® glass products are only available to members of the Vitro Certified™ Network.

June 2021

Low-E coated products come with a protective film (TPF) on the coated side

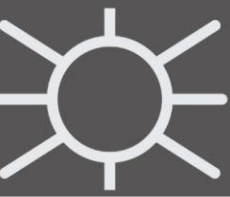
Other Solarban® coatings available on demand

Minimum quantity: 1 pack. Exact quantity available for more than 1 pack orders.

Standard dimension of 96" x 130". Other sizes available on demand.

For AviProtek® products please refer to the Guidelines for Product Selection and Ordering for bird-friendly glass products

Walker Textures® product availability is subject to change without notice



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

AviProtek® E Samples

- **Clear and low-iron glass:** 12" x 12" insulated glass unit samples are available on demand for clear and Starphire Ultra-Clear™ glass.
- **Tinted glass:** Please note for 12" x 12" insulated glass unit samples using Solargray or Solarbronze, they will need to be ordered by specifying the coating and the desired bird friendly pattern. In order to obtain the visual, a Starphire Ultra-Clear™ glass with the AviProtek® pattern will need to be put on top of the tinted glass. Kindly note that there are no exceptions to this principle.

DIRECTIONAL PATTERNS

Certain patterns in the **Walker Textures® Nuance** and **AviProtek®** product lines have a clear directional orientation. When ordering stock sheets or cut sizes, the directional orientation must 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.

PATTERN TOLERANCES

- Pattern size tolerance: +/- 1/16"
- Squareness tolerance (pattern vs edge of sheet): +/- 1/8"

RULES FOR CUSTOM PATTERNS

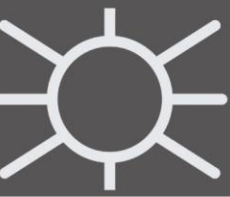
- Minimum space between etched patterns: 1/25" (1mm)
- Minimum size of etched patterns: 1/25" (1mm)

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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 camera-ready artwork in electronic format for the creation of the film that will be used for sample and full sized sheets. 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. If a pattern is required on both faces of the glass, two drawings must be submitted, each of them indicating how the pattern should be positioned. 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.

Policy with respect to retention of films and screens

Film (12"x12" or 72", 84", 96" x 130")

- Kept permanently

Screen (12"x12")

- Kept for a period of 180 days after delivery of the last order

Screen (72", 84", 96" x 130")

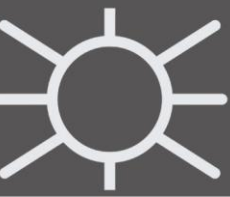
- Kept for a period of 90 days after delivery of the last order



PACKAGING SPECIFICATIONS

TEXTURES® STANDARD PACKAGING SPECIFICATIONS

Velour	4,000 lbs stoces
	Powder interleaving
Velour oversize	8,000 lbs stoces
	Powder interleaving
Opaque, Satin, Aviprotek® with LowE coating on surface #2	4,000 lbs stoces
	Powder interleaving
Opaque, Satin, Satinlite, Nuance, Traction, Aviprotek®	4,000 lbs stoces
	Paper interleaving
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June 2021	



HOW TO GET LEED POINTS WITH WALKER TEXTURES® PRODUCTS

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 Company Ltd. can help users of our products, and more specifically building owners; get LEED points.

LEED credits that can be obtained with our acid-etched glass, acid-etched mirror and unetched mirror products are as follows:

Full Surface Walker Textures® Acid-etched Glass

LEED® v4.1 requirements for Building Design + Construction (BD+C)

LEED® v4.1 requirements for Interior Design + Construction (ID+C)

Energy and Atmosphere

- Project may use a variety of strategies, including building envelope, of which the glazing is part.
- Available for Walker Textures® products with a low-e coating from Vitro Architectural Glass.

Materials and Resources

Building Product Disclosure and Optimization

- Environmental Product Declaration (under our EPD)
- Material Ingredients (under our HPD®)

Indoor Environmental Quality

- Low-Emitting Materials
- Thermal Comfort (for products with a low-e coating from Vitro)
- Daylight

Innovation

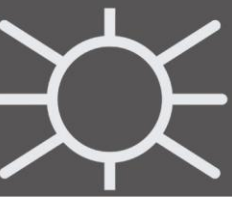
- Various strategies, including Pilot Credit 55 – Bird Collision Deterrence

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HOW TO GET LEED POINTS WITH WALKER TEXTURES® PRODUCTS (Cont.)

Acid-etched Mirror and Un-etched Mirror

LEED® v4.1 requirements for Building Design + Construction (BD+C)

LEED® v4.1 requirements for Interior Design + Construction (ID+C)

Materials and Resources

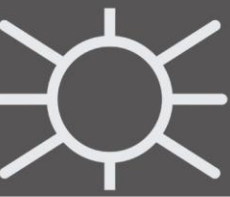
Building Product Disclosure and Optimization

- Environmental Product Declaration (under our EPD)
- Material Ingredients (under our HPD®)

Indoor Environmental Quality

- Low-Emitting Materials

For more information, please contact your sales representative or our customer service department.



OUR COMMITMENT TO SUSTAINABLE DESIGN - ENVIRONMENTAL PRODUCT DECLARATION

Walker Glass is proud to be the first to publish a third-party-verified environmental product declaration on acid-etched glass as well as on acid-etched mirror and unetched mirror.

Walker is fully committed to the diligent protection of both the environment and the health and safety of its workers and its customers' workers. This commitment is one of transparency regarding our practice and selection of materials. It is our small contribution towards building a better tomorrow for generations to come.

The following documents are available on demand:

EPD - Environmental Product Declaration:

- Acid-etched glass
- Acid-etched mirror and unetched mirror
- Bird Friendly glass

HPD® – Health Product Declaration®:

- Acid-etched glass
- Bird Friendly glass

To request a copy of the above-mentioned documents or for more information please contact your sales representative or our customer service department.

Environmental Data Sheets

Environmental data sheets are shortened versions of the EPD. The following documents are available here: <https://www.walkerglass.com/resources/sustainable-materials/>

Environmental Data Sheet – Acid-etched Glass.

Environmental Data Sheet – Acid-etched Mirror and Unetched Mirror.

Environmental Data Sheet – Bird Friendly Glass Solutions.

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