

# VISTABRIK®

## TIME TESTED - THE MOST IMPENETRABLE GLASS BLOCK EVER CREATED



**St. Ann's Warehouse**  
**Brooklyn, NY**  
**Architect: Marvel Architects**  
**Contractor: Yorke Construction**

GBA Architectural Products + Services  
1213 Medina Road  
Medina, OH 44256  
(877) 280-7700  
[sales@gbaproducts.com](mailto:sales@gbaproducts.com)  
[www.gbaproducts.com](http://www.gbaproducts.com)





# FOR SECURITY, VISION, AND BEAUTY

NOTHING COMPARES WITH VISTABRIK®

Built tough to resist penetration from high-impact ballistics, and time-tested and proven in a variety of applications, Vistabrik solid glass blocks form durable, transparent masonry panels for interior and exterior use. Because they combine the best in security and aesthetics, Vistabrik is widely used in institutional environments, commercial settings, schools, transportation terminals, and numerous public spaces and buildings, including courthouses, embassies, and police stations.

Vistabrik features low distortion transparency for clear observation through sturdy, 3-inch thick glass block partitions into areas where visual supervision is a must. Plus, Vistabrik requires minimal maintenance and replacement costs and is exceptionally durable and highly resistant to impact, bullets, and fire. In short, it's ideal for any facility subject to vandalism, high noise levels, and other security concerns.

## BEAUTY, VERSATILITY, AND LIGHT TRANSMITTANCE

Extraordinarily versatile and available in aesthetically pleasing sizes and styles, Vistabrik offers design possibilities limited only by an architect's imagination and vision. And with an 80% light transmittance, Vistabrik increases the amount of natural day lighting and creates a much more appealing indoor environment. In short, no other comparable building material provides the beauty, strength, and security needs of Vistabrik.



PS 437  
Brooklyn, NY  
Architect: Michael Fieldman & Partners  
Contractor: Silverite Construction Co.





# VISTABRIK® OPTIONS

- Excellent Visibility

Vistabrik Solid Glass Block

8" x 8" x 3"

6" x 8" x 3"

4" x 8" x 3"

- Added Privacy

8" x 8" x 3" Vistabrik Solid

Glass Block with a Stippled Finish

• Additional information on Vistabrik or any of our high performance glass block products can be found at [www.gbaproducts.com](http://www.gbaproducts.com)

• History - Vistabrik has been used with great success in numerous applications such as: correctional facilities, mass transit, education, and various other applications across the country for over 40 years



**8" x 8" x 3"**



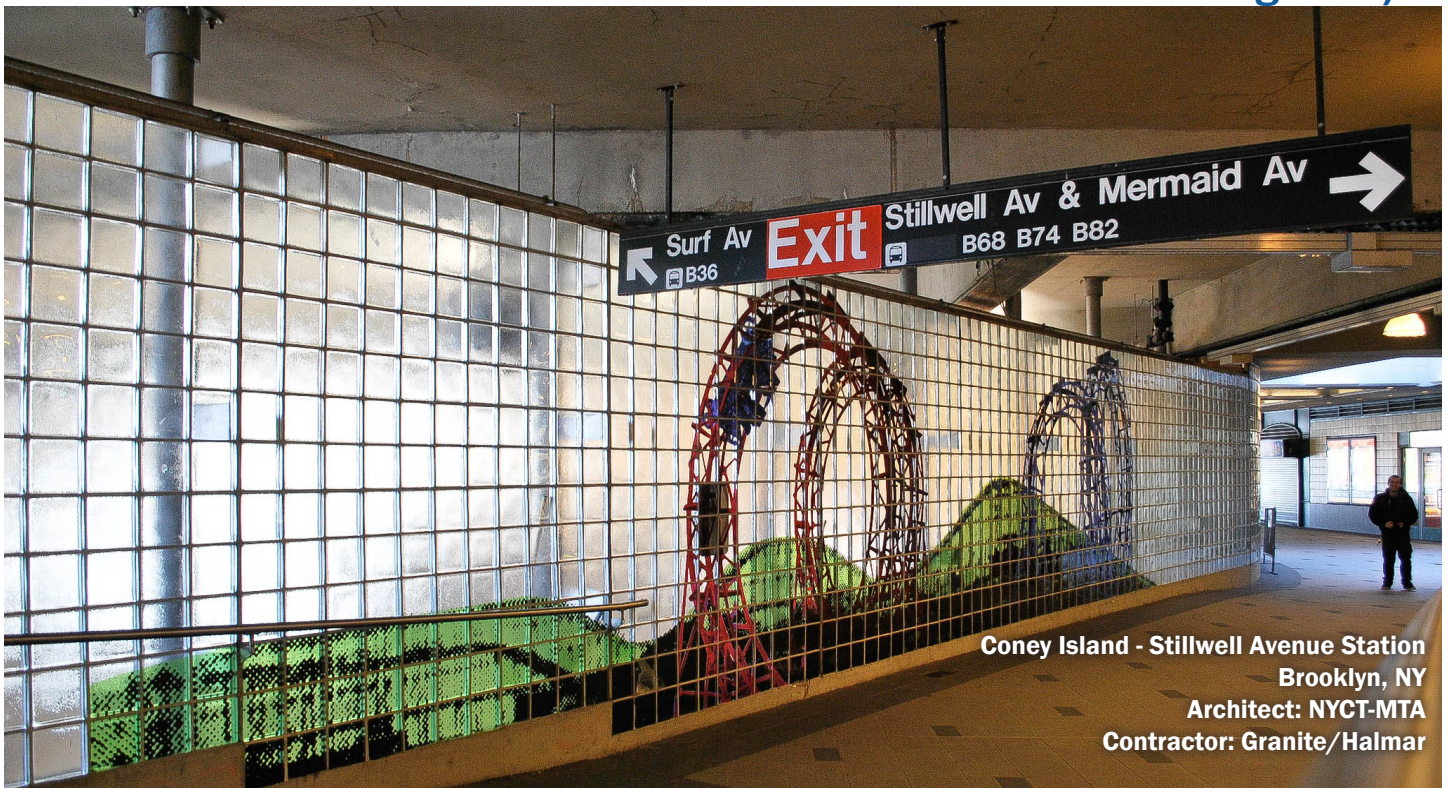
**8" x 8" x 3" Stippled  
(Added Privacy)**



**6" x 8" x 3"**



**4" x 8" x 3"  
(Can be cut for  
running bond)**



**Coney Island - Stillwell Avenue Station  
Brooklyn, NY  
Architect: NYCT-MTA  
Contractor: Granite/Halmar**



# FOR UNPARALLELED PERFORMANCE

NOTHING COMPARES WITH VISTABRIK®



Performance Criteria	VISTABRIK®	Polycarbonate	Wired Glass	Concrete Block Wall
Provides light transmission	■	■	■	
Provides good sound insulation	■			■
Can be used for fire-rated window	■		■	
Offers excellent impact strength	■	■		■
Provides scratch resistance	■		■	■
Provides a distinctive aesthetic appearance	■			
Provides flexibility to turn corners, create angles and curves	■			
Material can be cleaned by power wash	■			■
Breakage corrected with single block replacement instead of full panel	■			■
Material maintains original appearance over time	■			■
Installations have 20-year life w/o requiring significant maintenance	■			■
Meets all criteria	■			





# BENEFITS OF VISTABRIK® SOLID GLASS

## Impact Resistant

Try to break a Vistabrik Glass Block; we dare you! Compared to conventional glass, it's virtually impossible. In short, Vistabrik easily resists thrown objects, forcible entry, and attempts at vandalism.

## Weather Resistant

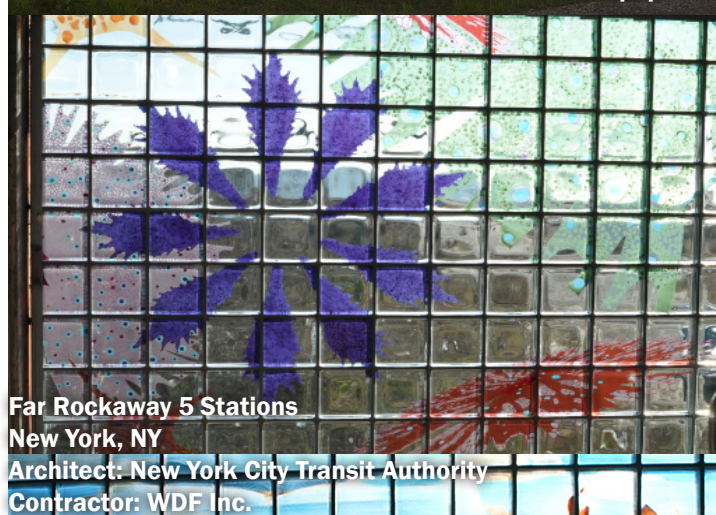
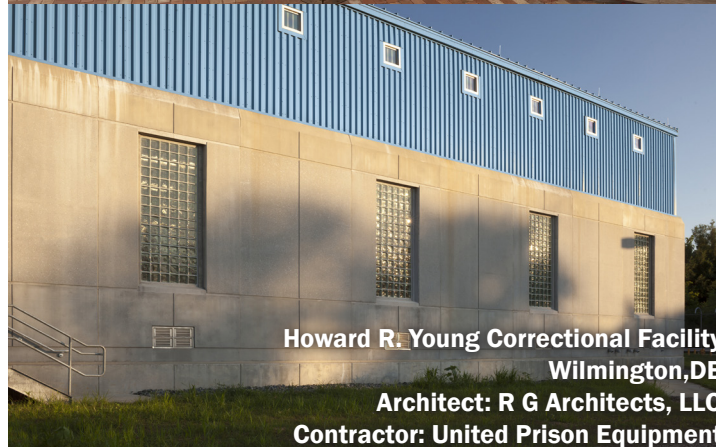
Vistabrik is impervious to natural weather-related elements. It resists water penetration from rain or snow. Plus, it withstands earthquake tremors, and breakage from flying objects in high winds when correctly installed in compliance with manufacturer's specification guidelines.

## Graffiti Resistant

Vistabrik has a hard glass surface that provides a "non-stick" surface for paint that aids in the quick removal of graffiti. When necessary, Vistabrik also resists damage from harsh chemicals and cleaning compounds.

## Cost Effective

Outstanding durability, exceptionally high quality, minimal maintenance, and economical long-term life cycle costs are why Vistabrik was chosen for use in numerous applications throughout the United States.



## Noise Resistant

Three inches of solid glass makes Vistabrik a dense barrier to sounds from trains, traffic, crowds, sirens, and machinery with a 53 STC level and a noise reduction coefficient (NRC) of 0.05.

## Bullet Resistant

UL® tested and component recognized for Level 1, 2, and 6, Vistabrik resists penetration from high-impact ballistics, including 9mm and .357 magnum bullets.

## Beauty

Extraordinarily versatile and available in three aesthetically pleasing sizes and styles, Vistabrik offers virtually limitless design possibilities.

## Fire Resistant

Ideal for fire resistance in masonry structures, Vistabrik is UL listed as 45-, 60-, and 90-minute fire rated window assemblies of up to 100 square feet.

## Visibility/Light

Vistabrik provides exceptional visibility in compliance with ADA guidelines for enclosed areas. Plus, it is scratch-resistant and transmits 80% of available light in both directions without any yellowing, clouding, or weathering.



# LAMINATED VISTABRIK®

SOLID GLASS BLOCK

Are you looking for an even higher level of Threat, Ballistic and Tornado Resistance?

## TORNADO RESISTANT GLASS BLOCK WINDOWS



### UL 752 Levels 1-6

Meets Ballistic Levels 1 through 6 when incorporated in a custom steel grid

- UL 752 Level 1: Provides protection against three shots of a 124-grain 9mm full metal copper jacket with lead core at an fps between 1175 and 1293
- UL 752 Level 2: Provides protection against three shots of a 158-grain .357 magnum jacketed lead soft point at an fps between 1250 and 1375
- UL 752 Level 3: Provides protection against three shots of a 240-grain 44 Magnum Lead Semi-Wadcutter Gas Checked at an fps between 1350 and 1485
- UL 752 Level 4: Provides protection against one shot of a 180-grain .30 caliber rifle lead core soft point at an fps between 2540 and 2794
- UL 752 Level 5: Provides protection against one shot of a 150-grain 7.62mm rifle lead core full metal copper jacket military ball (.308 caliber) at an fps between 2750 and 3025
- UL 752 Level 6: Provides protection against five shots of a 124-grain 9mm full metal copper jacket with lead core at an fps between 1400 and 1540



**Available in Clear, 1 or 2 Side  
Sand Blasted or Stippled  
Finish**



# List of Memorable Vistabrik® Projects

Job Name	City	State	Architect
Cal-Trans Corning Rest Area	Corning	CA	State of California
Howard R. Young Correctional Facility	Wilmington	DE	R G Architects, LLC
Northwestern Memorial Hospital Parking	Chicago	IL	Eckenhoff Saunders Architects
Advanced Chemistry Lab Command Facility	Aberdeen	MD	US Corps of Engineers Civil Works DPS Architects
Cecil County Correctional Facility	Elkton	MD	EI Associates
Montgomery Building	Ann Arbor	MI	J Bradley Moore & Associates Architects
Rouge River Outfall	Detroit	MI	CDM Smith
Sandy Pines Convenience Center	Dorr	MI	WLP Associates
South Higgins State Park	Roscommon	MI	Sidock Group, Inc.
Hedke Elementary School	Trenton	MI	French Associates Inc.
West Bloomfield School	West Bloomfield	MI	French Associates Inc.
52 Broadway	Asheville	NC	Samsel Architects
Jersey City Police Department	Jersey City	NJ	The Goldstein Partnership
Marshall Street Elementary School	Paterson	NJ	DIGroup Architecture
Betances Community Center	Bronx	NY	Stephen Yablon AArchitecture
P.S. 32 Samuel Mills Sprole School	Brooklyn	NY	Edelman Sultan Knox Wood/Architects LLP
P.S. 130 The Parkside School	Brooklyn	NY	Michael Fieldman & Partners
P.S. 188 Michael E Berdy	Brooklyn	NY	SBLM
Pierhouse Hotel	Brooklyn	NY	Marvel Architects
St. Ann's Warehouse	Brooklyn	NY	Marvel Architects
Stillwell Ave Terminal	Brooklyn	NY	MTA Arts for Transit Project
Junction Boulevard Station	Corona	NY	di Domenico + Partners
Republic Airport Administration Building	East Farmingdale	NY	AECOM
P.S. 013 Clement C. Moore	Elmhurst	NY	Cooper Robertson
SMSP Toll Booth	Kings Park	NY	D&B Engineers and Architects, P.C.
Far Rockaway 3 Stations	Queens	NY	New York City Transit Authority
Far Rockaway 5 Stations	Queens	NY	New York City Transit Authority
NYC Springfield Park	Queens	NY	NYC Department of Parks & Recreation
MTA Revenue Facility	Queens	NY	Dattner Architects
P.S. 254, The Rosa Parks School	Queens	NY	SUPERSTRUCTURES Engineers + Architects
P.S. 019 Marino Jeantet	Queens	NY	Murphy Burnham & Buttrick Architects
Queens Line 71st Signal Tower	Queens	NY	NYCT-MTA
3K Center	Staten Island	NY	STV Group
Yaphank Correctional Facility	Yaphank	NY	Ehasz Giacalone Associates Architects PC
Chisholm Creek Lift Station	Edmond	OK	Freese & Nichols, Inc.
Spring Creek Lift Station	Edmond	OK	Freese & Nichols, Inc.
North Philadelphia Transportation Center	Philadelphia	PA	STV Group
SEPTA Race Vine Station	Philadelphia	PA	Sowinski Sullivan
University of Pittsburgh McKee Place	Pittsburgh	PA	Dunn & Associates, Inc
Western Mental Health Institute	Bolivar	TN	LRK Inc.
Sound Transit East Link Extensions	Seattle	WA	WSP

# VISTABRIK® SOLID GLASS BLOCK

## Physical Properties

Product	Nominal Size	Weight/ft <sup>2</sup> Installed w/ Mortar	Heat Transmission U Value <sup>1</sup> (Btu/hr ft <sup>2</sup> °F)	Thermal Resistance R Value <sup>1</sup> (Btu/hr ft <sup>2</sup> °F)	Visible Light Transmission <sup>2</sup> (%)	Sound Transmission S.T.C.	Impact Strength (in-lbs) <sup>3</sup>
VISTABRIK®*	8" x 8" x 3"	40 lbs/ft <sup>2</sup>	0.87	1.15	80	53	Exceeds 150
VISTABRIK®	6" x 8" x 3"	40 lbs/ft <sup>2</sup>	0.87	1.15	80	N.A.	Exceeds 150
VISTABRIK®	4" x 8" x 3"	40 lbs/ft <sup>2</sup>	0.87	1.15	80	N.A.	Exceeds 150

1 Heat Transmission/Thermal Transmission–Winter night values.

2 Light Transmission–Values ±5%, estimated figures based on accumulated data.

3 Impact Strength–Produces surface mar only

\* Clear or stippled finish

N.A. Not Available

## Fire Ratings - Glass Block Window Assemblies

Product	Masonry Wall Construction - 45-60-90 Min. <sup>1,2</sup>		Non-Masonry Wall Construction - 45-60 Min. <sup>1</sup>	
	Max. Area/Panel	Max. Ht. or Width	Max. Area/Panel	Max. Ht. or Width
VISTABRIK®	100 sq. ft.	10 ft.	94 sq. ft.	10.75 ft.

1 Panel Anchor Framing Construction permitted for 45-60 minute rated glass block. windows/panels only.

2 Channel Framing Construction permitted for all 45-60-90 minute rated glass block. windows/panels

### VISTABRIK®

Solid glass blocks have been tested and classified by Underwriters Laboratories®(UL®) for use as fire-rated window assemblies to panel sizes and dimension limitations as listed.

Channel Framing Specific Assembly Requirements - Use either polyethylene, fibrous glass or mineral wool expansion material at heads and jambs. Use fire retardant type sealant.

For UL® listing information refer to [www.ul.com](http://www.ul.com)

### Building Code, UL® and National Standards References:

- The BOCA National Building Code (N.B.C.)
- The Standard Building Code (SBCCI)
- The Uniform Building Code (U.B.C.)
- International Building Code (I.B.C.)
- Canadian Standards Association (CSA) A371-94 "Masonry Construction for Buildings"
- Canadian Standards Association (CSA) S304. 1-94 "Masonry Design for Buildings"
- New York City Materials and Equipment Acceptances MEA 406-90-M, VOL. IV
- ACI 530/ASCE 5/TMS 402 "Building Code Requirements for Masonry Structures"
- Los Angeles Research Report RR-24486

### Fire Ratings:

- Underwriters Laboratory Classification: R2556 (For Glass Block)
- Underwriters Laboratory Classification: 18572 (For Plastic Spacers)
- Underwriters Laboratories of Canada Guide Number 230 17
- In Accordance With NFPA 80, Chapter 14

GBA Architectural Products + Services has been assisting Architects, Engineers, and Designers for 35 years. From your initial design concept, through CD's and the finished installation: We can assist you at every step. Whether you require samples, specifications, design assistance, or a plan review – We are an email or phone call away.



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GBA Architectural Products + Services  
1213 Medina Road  
Medina, OH 44256  
(877) 280-7700  
[sales@gbaproducts.com](mailto:sales@gbaproducts.com)

