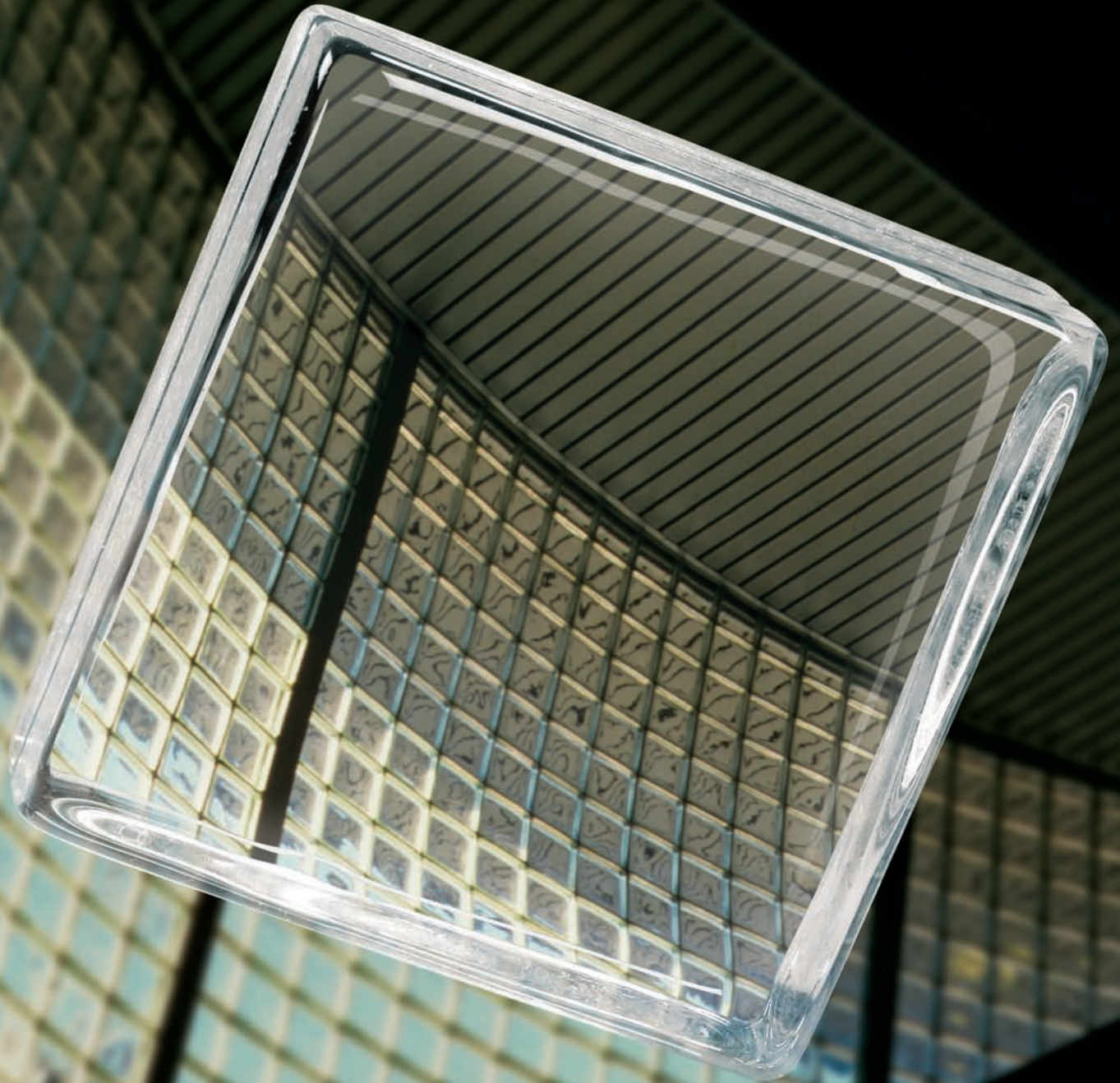


VISTABRIK®

SOLID GLASS BLOCK

BEAUTIFULLY SECURE

Made in
 AMERICA



 **PITTSBURGH
CORNING**
GLASS BLOCK®

FOR SECURITY, VISION, AND BEAUTY,

NO OTHER BUILDING MATERIAL SURPASSES 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.

▶ **Strength and Security**

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.

VISTABRIK®

▶ **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.

"Students can be rough on a high school. So, when we built our gymnasium complex next to the existing building and connected the two with an elevated walkway, we used Vistabrik® solid glass block. The clear glass block lets in



PERRY HIGH SCHOOL • PITTSBURGH, PA

natural light eliminating a dark tunnel effect that might have been created with standard walls. And it can take all the abuse the kids give it."

—Pat Aluisse, Principal
Perry High School • Pittsburgh, PA



VISTABRIK® SOLID GLASS BLOCK



▶ 8" x 8" x 3"



▶ 8" x 8" x 3"
Stippled
(Special Order)

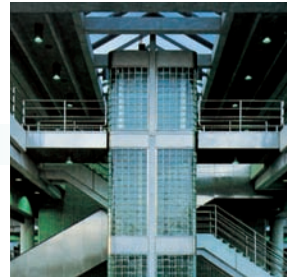


▶ 3" x 8" x 3"
(Special Order)



▶ 4" x 8" x 3"

VISTABRIK® SOLID GLASS BLOCK



MIAMI ELEVATED RAPID TRANSIT SYSTEM
MIAMI, FL

▶ For excellent visibility

Vistabrik Solid Glass Block in 8" x 8" x 3", 4" x 8" x 3", and (3" x 8" x 3" special order)

▶ For added privacy

Vistabrik Solid Glass Block with Stippled Finish (special order)

▶ For more information

about Vistabrik or any of our other attractive, security-level products (i.e., THICKSET® 60, THICKSET® 90, and our Premiere Series hollow block), visit our website at www.pittsburghcorning.com.

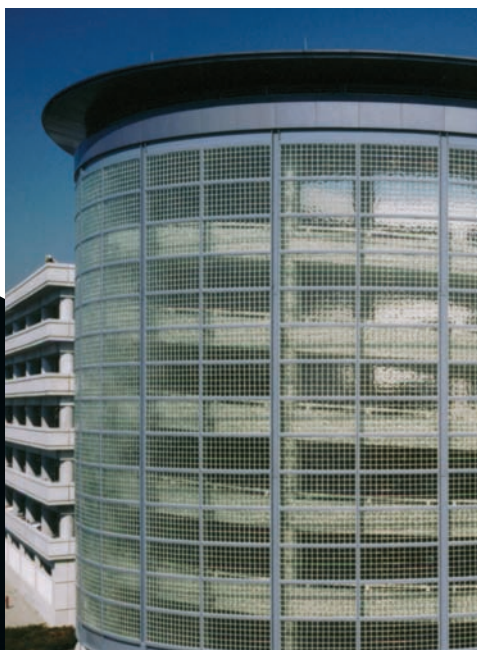
▶ Application History

Vistabrik has been used with great success in numerous law enforcement facilities, transportation systems, and public, institutional, and commercial structures throughout the country.

▶ Below is a partial list of completed projects:

- Westchester County Jail in Valhalla, NY
- Clay County Detention Center in Liberty, MO
- Perry High School in Pittsburgh, PA
- Clifford J. Lawrence Junior High School in Las Vegas, NV
- Lloyd Hall, Multipurpose Recreational Facility in Philadelphia, PA
- Massachusetts Bay Transit Authority in Boston, MA
- SEPTA Transit Station in Philadelphia, PA
- West Parking Garage Helix at Logan Airport in Boston, MA
- 161st Street–Yankee Stadium, Station Complex/New York City Transit

FOR UNPARALLELED
PERFORMANCE, ONLY VISTABRIK®
MEETS ALL THE CRITERIA.



WEST PARKING GARAGE HELIX AT LOGAN AIRPORT
BOSTON, MA

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	■			

THE MANY BENEFITS OF VISTABRIK® SOLID GLASS BLOCK

▶ 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.

▶ 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.

▶ 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.

▶ 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.

▶ 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.

▶ 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 Pittsburgh Corning's specification guidelines.

▶ 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.

▶ 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.

▶ Beauty

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



CLAY COUNTY DETENTION CENTER, LIBERTY, MO



PITTSBURGH CORNING VISTABRIK® SOLID GLASS BLOCK

Physical Properties

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

* Clear or stippled finish.

N.A. Not Available

³ Impact Strength—Produces surface mar only.

⁴ Special Order

Fire Ratings—Glass Block Window Assemblies

Product	Masonry Wall Construction – 45-60-90 Min. ^{1,2}		Non-Masonry Wall Construction – 45-60 Min. ¹	
	Max. Area/Panel	Max. Ht. or Width	Max. Area/Panel	Max. Ht. or Width
VISTABRIK® ³	100 sq. ft.	10 ft.	94 sq. ft.	10.75 ft.

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

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

³ VISTABRIK® Corner is not fire-rated.

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 jams. Use fire retardant type sealant.

For UL® listing information refer to 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

Pittsburgh Corning Project Design Assistance

Unmatched Service.

When specifying Pittsburgh Corning Glass Block, you receive a level of technical support and guidance unavailable from any other glass block producer.

Pittsburgh Corning Representative and Distributor Assistance.

Services are available through your local Pittsburgh Corning Representative and Distributor. They will arrange for drawing review and technical guidance, full sample selection, professional installation, on-site assistance, and provide technical support after the job is completed, if needed.

Technical Service Department.

Our Technical Service Department, located in Pittsburgh, is available for technical advice, project design assistance, and plan review. Please call the Pittsburgh Corning Glass Block Resource Center, 1-800-624-2120.

Pittsburgh Corning Glass Block Resource Center.

From your first inquiry, information is readily available to you, toll-free from anywhere in the continental United States and Canada. Our Resource Center, 1-800-624-2120, is your initial channel for literature requests and answers to technical questions.

The information contained herein is accurate and reliable to the best of our knowledge. But, because Pittsburgh Corning Corporation has no control over installation workmanship, accessory materials, or conditions of application, NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE as to the performance of an installation containing Pittsburgh Corning products. In no event shall Pittsburgh Corning be liable for any damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed. Pittsburgh Corning Corporation provides written warranties for many of its products, and such warranties take precedence over the statements contained herein.

Pittsburgh Corning Glass Block

www.pittsburghcorning.com,

features application photos, product information, specifications, installation details, literature, continuing education, case histories, and much more information on how to design with Pittsburgh Corning Glass Block products.

Pittsburgh Corning Glass Block Resource Center:

1-800-624-2120

U.S./Canada, Call Anytime



This program provides HSW Learning Units. For more information, visit our website at www.pittsburghcorning.com

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