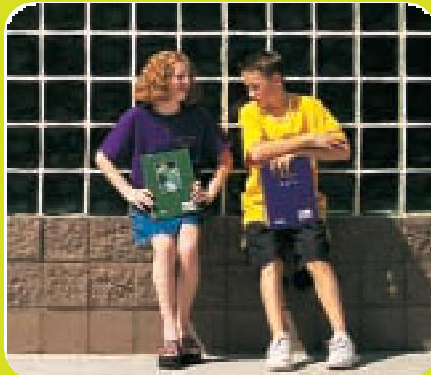


Residential



Institutional



Commercial

FIRE RATED

GLASS BLOCK

BY SEVES GLASS BLOCK

▶ INTRODUCING THICKSET® 90, OUR NEWEST ADDITION TO THE U.L. FIRE RATED GLASS BLOCK FAMILY. THIS GLASS BLOCK PROVIDES A 90-MINUTE FIRE RATING IN A WINDOW ASSEMBLY WITHOUT SACRIFICING AESTHETICS, DESIGN FLEXIBILITY, LIGHT TRANSMISSION AND PRIVACY.



PREMIERE SERIES



THICKSET® 60



THICKSET® 90



VISTABRIK®

▶ GLASS BLOCK FOR FIRE PROTECTION

Seves Glass Block manufactures Glass Block through a simple, yet exacting process and maintains the highest quality standards to produce a unique building material – virtually a brick Made of glass. The special combination of properties increases design flexibility and provides many functional benefits. The material offers transparency, emitting generous amounts of natural or borrowed light while at the same time providing energy efficiency, sound control, security, and visual texture. When patterned, Glass Block offers a unique combination of privacy and light transmission.

An extremely important feature of Glass Block, critical to safe building design, is the products inherent fire-resistance property. By varying the face thickness of the product and conforming to installation specifications, Seves Glass Block is able to offer a family of fire rated products approved and rated according to Underwriters Laboratory (U.L.®) Standards. Glass Block are available in 45-, 60- and 90-minute ratings for window assemblies, with the THICKSET® 60 Block being the newest addition to the family. In addition, these products can be specified in different patterns and sizes to meet your design needs.

▶ Our Family of Fire-Rated Glass Block Products



PREMIERE SERIES

- The Premiere Series includes the largest selection of patterns, sizes and shapes for the utmost in design flexibility.
- All patterns of Premiere Series Glass Block are classified by UL® for use in 45-minute-rated window assemblies.
- Available patterns: NUBIO®, LIGHT DIFFUSING®, LARGE GROSS, CLARITY®, CORTINA® REGENT®, ARCTIC®.
- Available Sizes: All sizes except 12" x 12" and shapes.
- Nominal face thickness = 0.25"
- Sound Transmission Class (S.T.C.) = 39



THICKSET® 60

- The THICKSET® 60 Glass Block is a thicker-faced block that provides all the traditional benefits of glass block plus a 60-minute fire rating.
- THICKSET® 60 Block is classified by UL® for use as 45- or 60-minute-rated window assemblies.
- Available patterns: NUBIO®, CLARITY®, SPRAY®
- Available Sizes: 8" x 8" x 4"
- Nominal face thickness = 0.375"
- Sound Transmission Class (S.T.C.) = 48



THICKSET® 90

- The THICKSET® 90 Glass Block is a thicker-faced block that provides all the traditional benefits of glass block plus a 90-minute fire rating.
- THICKSET® 90 Block is classified by UL® for use as 45-, 60- or 90-minute-rated window assemblies.
- Available patterns: NUBIO®, ENDURA™, and CLARITY®
- Available Sizes: 6" x 6" x 4" CLARITY®, 8" x 8" x 4" NUBIO®, ENDURA™ and CLARITY®
- Nominal face thickness = 0.75"
- Sound Transmission Class (S.T.C.) = 50



VISTABRIK®

- VISTABRIK® Solid Glass Block is the ultimate glass block solution, 3 solid inches of glass which resists bullets, fire, noise, graffiti, and forcible entry.
- VISTABRIK® Solid Glass Block is classified by UL® for use as 45-, 60- or 90-minute rated window assemblies.
- Available patterns: Clear – for good visibility or Stippled or Sahara for added privacy.
- VISTABRIK® Solid Glass Block is bullet resistant.
- Available Sizes: 8" x 8" x 3", 4" x 8" x 3", 6" x 8" x 3"
- Actual face thickness = 3.0"
- Sound Transmission Class (S.T.C.) = 53

▶ Functional Benefits of Glass Block

- **Fire Resistant**
Classified by UL® for use in fire-rated window assemblies.
- **Graffiti Resistant**
Glass Block resists damage and is easy to clean.
- **Noise Resistant**
Glass Blocks thick faces provide great sound resistance.
- **Vision Control**
Glass Blocks provide a range of visibility depending on pattern chosen.
- **Light Transmission**
Glass Blocks allow varying degrees of light transmission.
- **Design Flexibility**
The wide variety of styles and patterns and functional benefits allow for endless design options.
- **Security**
Glass Blocks enhance the security of your building.

▶ Application Uses

Fire Rated Glass Block can be used in Residential, Institutional and Commercial buildings.

Typical Applications are:

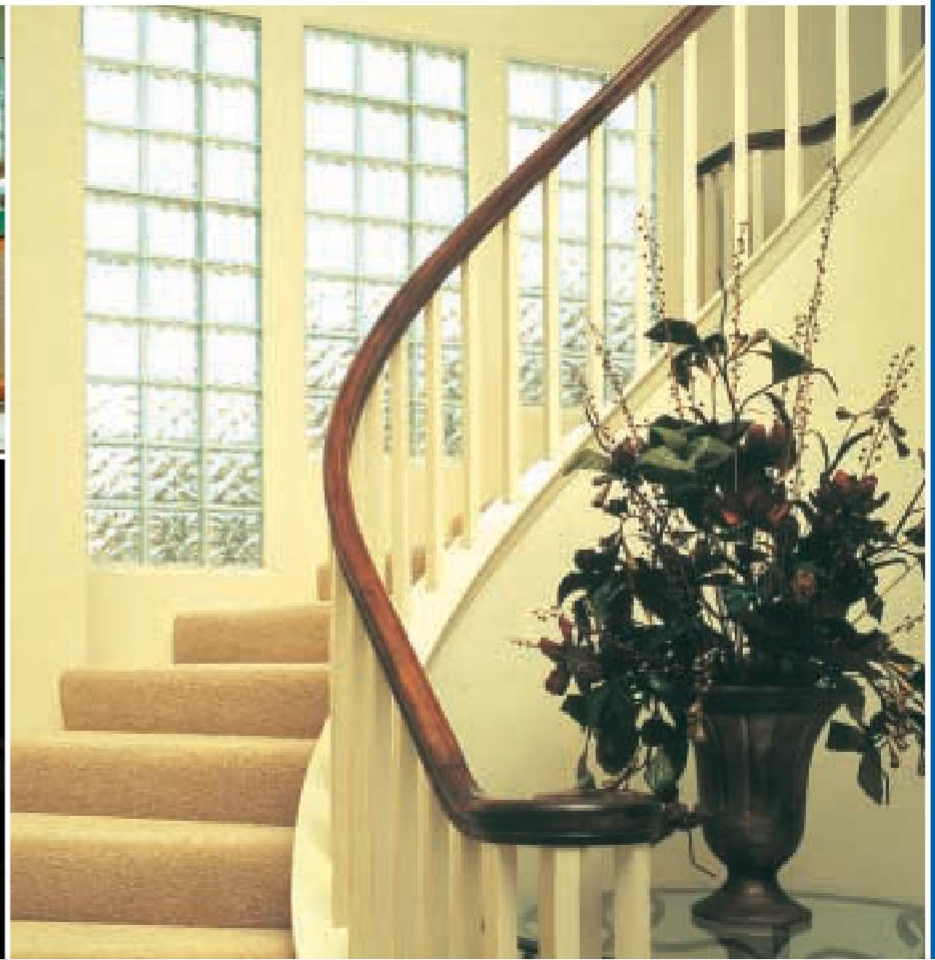
- Multi-Unit Housing
- Stairwells
- Limited Lot Line Communities
- Windows
- Corridors
- Other Fire Rated uses.

▶ Notes:

For complete installation details, product information, specifications and more information on how to design with Seves Glass Block products, see our Architectural Products Brochure or visit our website at www.sevesglassblock.com

For U.L.® listing information see www.ul.com

Seves Glass Block Fire Rated products are listed in U.L.® Fire Resistance Directory under 11679 (for Glass Block).



▶ Physical Properties

Product	Weight /ft ² Installed With Mortar	Heat Transmission U Value ¹ (Btu/hr ft ² °F)	Thermal Resistance R Value ² (hr ft ² °F/Btu)	Visible Light Transmission ² (%)	Sound Transmission S.T.C. ³	Impact Strength (in-lbs) ⁴
Premiere Series	20 lbs./sq.ft.	0.51	1.96	75	39	50–60
THICKSET® 60	25 lbs./sq.ft.	0.51	1.96	75	48	50–60
THICKSET® 90	30 lbs./sq.ft.	0.51	1.96	75	50	60–80
VISTABRIK®	40 lbs./sq.ft.	0.87	1.15	80	53	>150

¹ Heat Transmission/Thermal Transmission—Winter night values.

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

³ Sound Transmission—Values listed are for 8" x 8" x 4" Glass Block.

⁴ Impact Strength—Produces surface mar only.

▶ Fire Ratings—Glass Block Window Assemblies

Premiere Series Glass Blocks, THICKSET® 60 Blocks, THICKSET® 90 Blocks and VISTABRIK® Solid Glass Block units have been tested and classified by Underwriters Laboratories (UL®) for use in fire-rated window assemblies to panel sizes and dimension limitations as listed.

Product	Masonry Wall Construction					Non-Masonry Wall Construction			
	Panel Limitations		Fire Rating			Panel Limitations		Fire Rating	
	Max. Area/ Panel	Max. Ht. Or Width	45 Min.	60 Min.	90 Min.	Max. Area/ Panel	Max. Ht. Or Width	45 Min.	60 Min.
Premiere Series	120	12	X			94	10.75	X	
THICKSET® 60	100	10	X	X		94	10.75	X	X
THICKSET® 90	100	10	X	X	X*	94	10.75	X	X
VISTABRIK®	100	10	X	X	X*	94	10.75	X	X

*1/4" steel channel, 3/4" thick expansion material at head and jams, and fire retardant sealant are required.

▶ Seves Glass Block Project Design Assistance

Unmatched Service.

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

Seves Glass Block Representative & Distributor Assistance.

Services are available through your local Seves Glass Block 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 Broadview Heights OH, is available for technical advice, project design assistance, and plan review. Please call the Seves Glass Block, 1-440-627-6257 TOLL FREE 1-877-SEVES11.

Seves Glass Block

From your first inquiry, information is readily available to you, toll-free from anywhere in the continental United States and Canada. Our Resource Center, 1-877-SEVES11, is your initial channel for literature requests and answers to technical questions. Email: Inquiry@sevesglassblock.com

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Seves Glass Block

www.sevesglassblock.com

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

Seves Glass Block

1-877-SEVES11

U.S./Canada, Call Anytime

**SEVES
GLASS
BLOCK**

10576 Broadview Road
Broadview Heights, Ohio 44147
PH 1-440-627-6257

Toll Free 1-877-SEVES11 (1-877-738-3711)



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