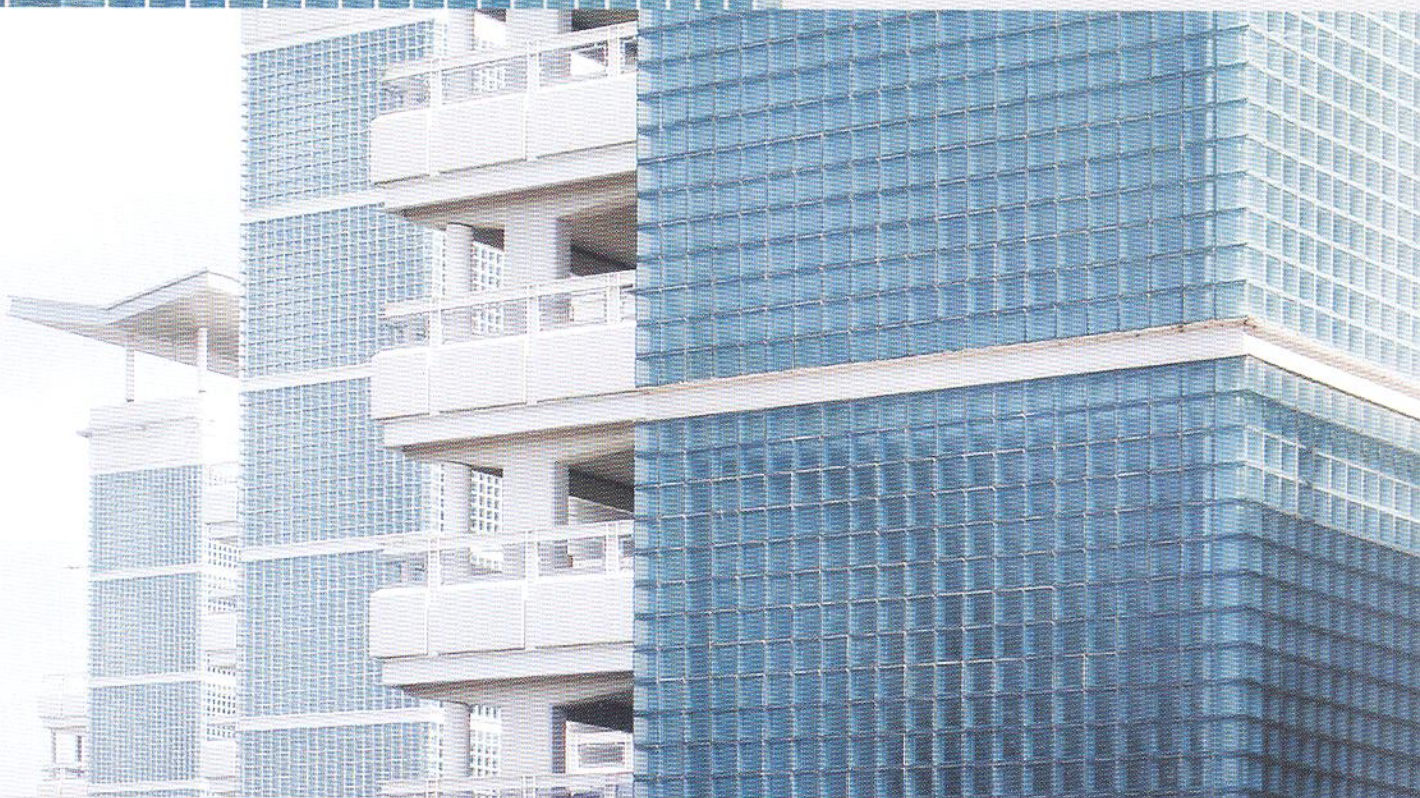


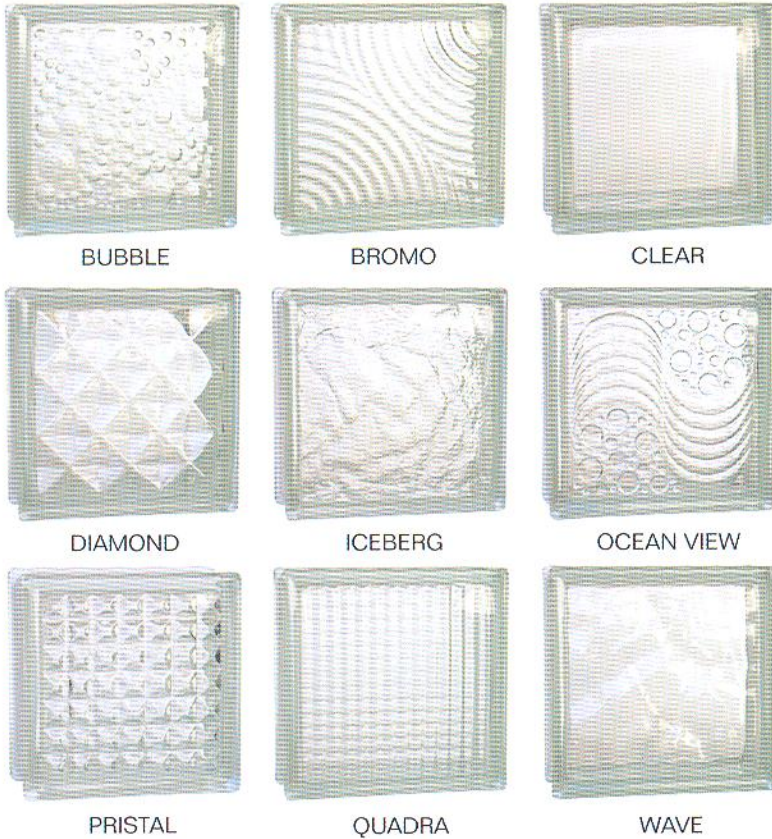


 **MULIA**
GLASSBLOCK

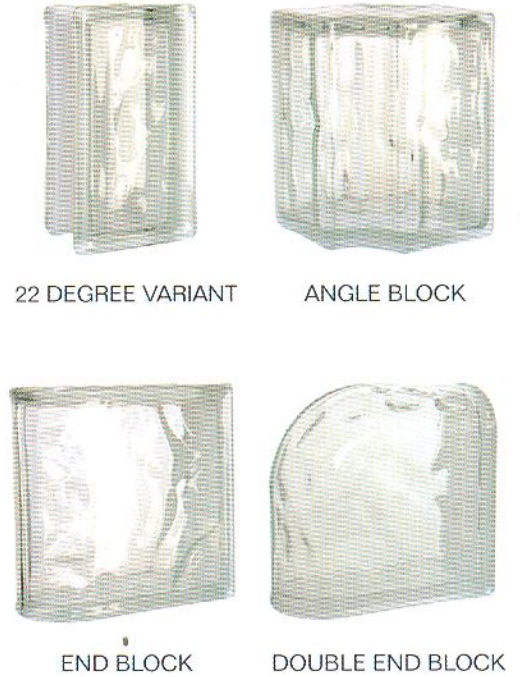


www.muliainc.com/glassblock

Mulia Glassblock Patterns



ACCESSORY BLOCKS



GLASS BLOCK PATTERNS AND SIZES

US Standard Nominal Sizes

4" THICK SERIES (3 7/8" actual thickness)
 Sizes - nominal in inches

Patterns	4x8x4	6x6x4	6x8x4	8x8x4	12x12x4	22" Variant Block 4x8x4	Angle Block 8x8x4	End Block 8x8x4	Double End Block 8x8x4
Wave	x	x	x	x	x	x	x	x	x
Clear		x	x	x		x*	x*	x	x
Iceberg		x	x	x		x*	x*	x	x
*Wave Thickface				x					

* winter 2010

3" THIN SERIES (3 1/8" actual thickness)
 Sizes - nominal in inches

Patterns	4x8x3	6x6x3	6x8x3	8x8x3	End Block 8x8x3
Wave	x	x	x	x	x
Iceberg	x	x	x	x	
Pristal	x	x	x	x	
Clear		x	x	x	
Bromo				x	
Bubbles				x	
Diamond				x	
Ocean View				x	
Quadra				x	

Fire Rated
 All patterns are 45-minutes fire rated.
 * Wave Thickface 8x8x4 is 60-minutes fire rated.
 UL9 Test Approved #R18224

Building Code Compliance
 Miami-Dade County Approval:
 NOA No.: 07-0417.02 (4" Thick Series)
 NOA No.: 07-1022.01 (4" Wave Thickface, large & small missile impact)
 ISO 9002 approval

2" PREMIUM SERIES
 Sizes - nominal in inches

Patterns	8x8x2
Wave	x
Iceberg	x

NOMINAL SIZE (ACTUAL SIZE)	COMPRESSIVE STRENGTH (psi)	WEIGHT (lbs.)	SHADING COEFFICIENT	LIGHT TRANSMISSION	SOUND LEVEL LOSS (STC)	R VALUE/ftu
----------------------------	----------------------------	---------------	---------------------	--------------------	------------------------	-------------

4" THICK SERIES

WAVE	COMPRESSIVE STRENGTH (psi)	WEIGHT (lbs.)	SHADING COEFFICIENT	LIGHT TRANSMISSION	SOUND LEVEL LOSS (STC)	R VALUE/ftu
8 x 8 x 4 7-3/4" x 7-3/4" x 3-7/8"	400 - 700	5.9	0.655	60	41	1.95 / .51
6 x 8 x 4 5-3/4" x 7-3/4" x 3-7/8"	400 - 700	4.5	0.655	65	35	1.75 / .55
6 x 6 x 4 5-3/4" x 5-3/4" x 3-7/8"	400 - 700	4.0	0.655	65	35	1.75 / .55
4 x 8 x 4 3-3/4" x 7-3/4" x 3-7/8"	400 - 700	3.5	0.655	65	35	1.75 / .55
WAVE THICK FACE						
8 x 8 x 4 7-3/4" x 7-3/4" x 3-7/8"	400 - 700	11	0.655	60	50	1.96 / .51

3" THIN SERIES

WAVE, PRISTAL, ICEBERG	COMPRESSIVE STRENGTH (psi)	WEIGHT (lbs.)	SHADING COEFFICIENT	LIGHT TRANSMISSION	SOUND LEVEL LOSS (STC)	R VALUE/ftu
8 x 8 x 3 7-3/4" x 7-3/4" x 3-1/8"	400 - 700	5.3	0.655	65	35	1.95 / .51
6 x 8 x 3 5-3/4" x 7-3/4" x 3-1/8"	400 - 700	4.4	0.655	65	35	1.75 / .51
4 x 8 x 3 3-3/4" x 7-3/4" x 3-1/8"	400 - 700	3.2	0.655	65	35	1.75 / .55
6 x 6 x 3 5-3/4" x 5-3/4" x 3-1/8"	400 - 700	3.0	0.655	65	35	1.75 / .55
QUADRA						
8 x 8 x 3 7-3/4" x 7-3/4" x 3-1/8"	400 - 700	5.3	0.655	65	35	1.75 / .55



Birmingham Airport, England



New Beginnings Youth Center, Washington D.C.

MAXIMUM PANEL DIMENSIONS *

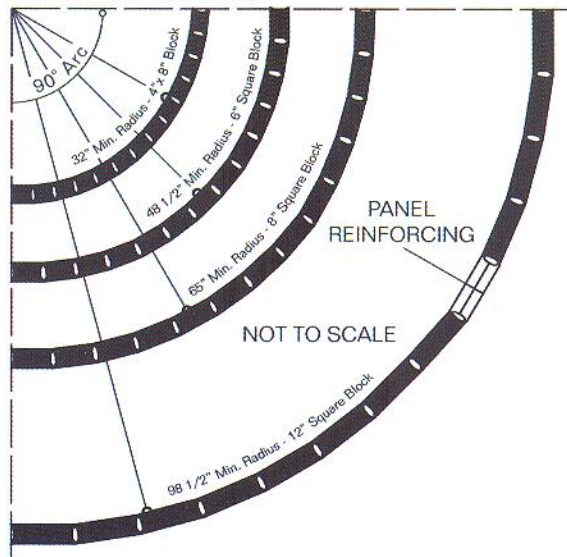
PERIMETER SUPPORT METHOD	Thick Series	Thin Series
	area (sq. ft.)	area (sq. ft.)
Exterior		
channel type restraint	144	85
panel anchors	144	85
channels or panel anchors w/ intermediate stiffener	250	150
Interior		
channel type restraint	250	150
panel anchors	250	150

* Uniform building code (ubc) limits height and width to 15 feet.

NUMBER OF BLOCKS USED FOR 100 SQ. FT. PANEL

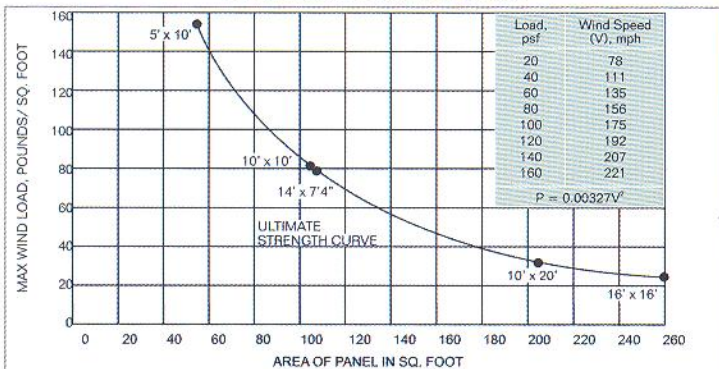
Block Sizes (nominal)	6"	8"	12"	4" x 8"	6" x 8"
Number of Blocks	400	225	100	450	300

INSIDE RADIUS MINIMUMS FOR CURVED PANEL CONSTRUCTION USING SQUARE BLOCKS



BLOCK SIZE	INSIDE RADIUS INCHES	NUMBER OF BLOCKS IN 90° ARC BLOCK	JOINT THICKNESS IN INCHES	
			inside	outside
4" X 8"	32	13	1/8	5/8
6" X 8"	48½	13	1/8	5/8
8" X 8"	65	13	1/8	5/8
12" X 12"	98½	13	1/8	5/8

WIND LOAD RESISTANCE



HOW TO USE WIND LOAD CHART

Example: If panel desired is 140 sq. ft., review table and you will see the maximum wind load is approximately 52 psf. Maximum exterior panel sizes are based on a design wind load of 20 lbs. per sq. ft. with a 2.7 safety factor.