

4" Premiere™ Physical & Design Data

Block	Actual Block Size ¹	Weight of glass block (lb)	Approximate Installed Weight (lb/ft ²)	Number pieces / sq.ft.	Heat Transmission ² U-Value (BTU/hr ft ² °F)	Thermal Resistance ² R-Value (hr ft ² °F/BTU)	Visible Light Transmission ³ (%)	Shading Coefficient ⁴	Sound Transmission S.T.C (dB)	Solar Heat Gain Coefficient ⁵ (%)	Fire Rating (minutes)
8x8x4 Alpha	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	92	0.65	39	.66-.68 ⁵	45
8x8x4 Arctic	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	67	0.65	39	.66-.68 ⁵	45
8x8x4 Argus®	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	92	0.65	39	.66-.68 ⁵	45
6x6x4 Argus®	5.75" x 5.75" x 3.875"	3.8	20.8	4	0.53	1.89	91	0.65	37	.66-.68 ⁵	45
8x8x4 Argus® Parallel	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	92	0.65	39	.66-.68 ⁵	45
8x8x4 Clarity	7.75" x 7.75" x 3.875"	5.7	19.15	2.25	0.53	1.89	91	0.65	39	.66-.68 ⁵	45
6x8x4 Clarity	5.75" x 7.75" x 3.875"	4.9	20.1	3	0.53	1.89	91	0.65	41	.66-.68 ⁵	45
6x6x4 Clarity	5.75" x 5.75" x 3.875"	3.8	20.8	4	0.53	1.89	91	0.65	41	.66-.68 ⁵	45
12x12x4 Clarity	11.75" x 11.75" x 3.875"	15.7	23.3	1	0.53	1.89	91	0.63	35	.66-.68 ⁵	N/A
8x8x4 Cortina	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	67	0.65	39	.66-.68 ⁵	45
6x8x4 Cortina	5.75" x 7.75" x 3.875"	4.9	20.1	3	0.53	1.89	75	0.65	41	.66-.68 ⁵	45
6x6x4 Cortina	5.75" x 5.75" x 3.875"	3.8	20.8	4	0.53	1.89	67	0.65	37	.66-.68 ⁵	45
4x8x4 Cortina	3.75" x 5.75" x 3.875"	3.6	20.8	4.5	0.53	1.89	67	0.65	41	.66-.68 ⁵	45
8x8x4 Cross Ribbed	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	55	0.65	39	.66-.68 ⁵	45
12x12x4 Cross Large	11.75" x 11.75" x 3.875"	15.7	23.3	1	0.53	1.89	55	0.63	35	.66-.68 ⁵	N/A
12x12x4 Icescapes	11.75" x 11.75" x 3.875"	15.7	23.3	1	0.53	1.89	67	0.63	35	.66-.68 ⁵	N/A
8x8x4 Light Diffusing	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	51	0.65	39	.66-.68 ⁵	45
8x8x4 Nubio	7.75" x 7.75" x 3.875"	5.7	19.5	2.25	0.53	1.89	75	0.65	39	.66-.68 ⁵	45
6x8x4 Nubio	5.75" x 7.75" x 3.875"	4.9	20.1	3	0.53	1.89	75	0.65	41	.66-.68 ⁵	45
6x6x4 Nubio	5.75" x 5.75" x 3.875"	3.8	20.8	4	0.53	1.89	75	0.65	37	.66-.68 ⁵	45
4x8x4 Nubio	3.75" x 5.75" x 3.875"	3.6	20.8	4.5	0.53	1.89	75	0.65	41	.66-.68 ⁵	45
12x12x4 Nubio	11.75" x 11.75" x 3.875"	15.7	23.3	1	0.53	1.89	75	0.63	35	.66-.68 ⁵	N/A

¹Size-Block are manufactured to a 1/32" (1mm) tolerance

²Heat Transmission / Thermal Resistance: Winter night values. To calculate instantaneous heat gain through glass panels, see ASHRAE HANDBOOK OF FUNDAMENTALS.

³Light Transmission-Values +/- 5%

⁴Light Transmission / Shading Coefficient - Estimated figures based on accumulated data

⁵Shading Coefficient - Based on 8"-sq. unit; ratio of heat gain through glass block panels vs. that through a single light of double-strength sheet glass under specific conditions.