



## Approximate Weight of Architectural Flat Glass

Design professionals, wall system manufacturers, and construction managers often need the weight of materials for engineering and construction site considerations. The table below provides approximate weights of architectural flat glass by thickness designations as published by North American manufacturers:

<b>Architectural Flat Glass - Published Approximate Weight</b>	
<b>Glass Thickness Designation Inches (mm)</b>	<b>Approximate lb/ft<sup>2</sup> (kg/m<sup>2</sup>)</b>
3/32 (2.5)	1.2 (5.7)
1/8 (3.0)	1.6 (7.6)
5/32 (4.0)	2.0 (9.9)
3/16 (5.0)	2.4 (11.9)
1/4 (6.0)	3.0 (14.6)
5/16 (8.0)	4.0 (19.5)
3/8 (10.0)	5.0 (24.4)
1/2 (12.0)	6.4 (31.2)
5/8 (16.0)	8.1 (39.5)
3/4 (19.0)	9.8 (47.8)

Approximate weights do not apply to patterned glass or products incorporating multiple lites of glass fabricated into an assembled product. Additional glass thicknesses are available. Consult individual manufacturers for detailed product availability. ASTM International<sup>1</sup> C 1036 - *Standard Specification for Flat Glass* addresses quality requirements. If the exact thickness is known, the exact weight may be calculated using a glass density of 158 lb/ft<sup>3</sup> (2531 kg/m<sup>3</sup>).

Consult the *Tech Center* section of the Glass Association of North America (GANA) website ([www.glasswebsite.com](http://www.glasswebsite.com)) for additional Glass Informational Bulletins and industry reference resources.

*The Glass Association of North America (GANA) has produced this Glass Informational Bulletin solely to provide information regarding North American industry published flat glass weight. This bulletin makes no attempt to provide specific flat glass weight information or considerations. GANA disclaims any responsibility for any specific results related to the use of this Bulletin, for any errors or omissions contained in the Bulletin, and for any liability for loss or damage of any kind arising out of the use of this Bulletin.*

This bulletin was developed by the GANA Flat Glass Manufacturing Division and approved by the membership and the GANA Board of Directors. This is the original version of the document as approved and published in April 2008.

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