



Cost Considerations in Specifying **Vitro Architectural Glass**

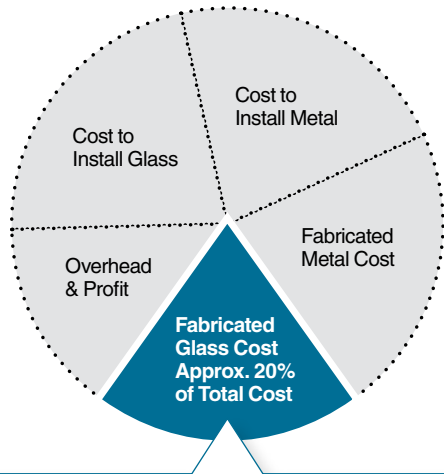


Cost Considerations in Specifying Vitro Architectural Glass

Vitro Architectural Glass (formerly PPG Glass) has developed this guide to help architects make more informed decisions in the evaluation, selection and specification of architectural glass products. This is a complex topic and best evaluated using an installed systems cost approach. The pie chart indicates the approximate cost percentage of fabricated glass relative to a typical installed curtain wall total cost, and the table indicates the relatively minor cost impact of selecting various *Solarban*[®] solar control low-e coated glasses by Vitro on the overall installed cost.

Estimated Cost Elements of a Typical Installed Curtain Wall

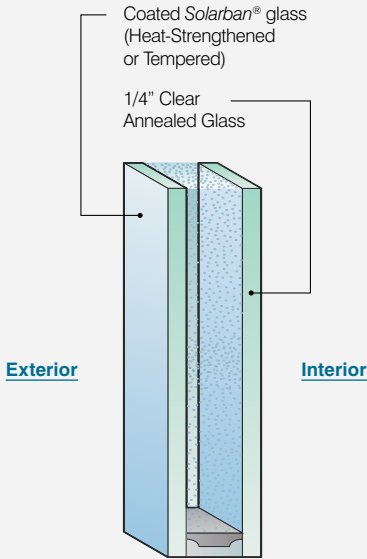
Assume \$75/sq. ft. total installed cost (using a standard metal system, standard sizes, standard labor costs, etc.)



Fabricated Glass Options

1/4" <i>Solarban</i> [®] glass and 1/4" clear inboard lite	Est. Add'l. % Cost Impact to Installed Curtain Wall Cost
<ul style="list-style-type: none"> <i>Solarban</i>[®] 70XL tints <i>Solarban</i>[®] 72 glass <i>Solarban</i>[®] 90 glass <i>Solarban</i>[®] R100 glass <i>Solarban</i>[®] 60 tints <i>Solarban</i>[®] Z75 glass <i>Solarban</i>[®] 70XL glass <i>Solarban</i>[®] 60 glass <i>Solarban</i>[®] Z50 glass <i>Solarban</i>[®] 67 glass 	<p>Ranges from 0-7%.</p> <p>Consult with your Vitro National Architectural Manager</p>

Fabricated Glass Unit (IGU)



Fabricated Glass Cost Considerations

Architectural designs can be a significant driver of glass cost. Key areas to consider include:

- Unit size (sq. foot, also aspect ratio)
- Unit quantities (total units and number of unique sizes)
- Glass fabrication yield losses due to:
 - Cutting
 - Tempering
 - Heat-Strengthening
 - Laminating
- Special conditions
 - Frit or Etched Glass
 - Spandrel Glass
 - Non-Rectangular Units
 - Oversized
 - Glass Thickness

Glass Selection Conclusions

- Selecting the proper high-performance Solarban® glass by Vitro Architectural Glass for your project can provide improved solar and thermal performance, increased occupant comfort, reduced HVAC investment and enable a broad spectrum of design aesthetics.
- The cost impact of upgrading to various Solarban® glass coatings—whether on clear, Starphire Ultra-Clear™, or tinted glasses by Vitro Architectural Glass, is minimal and on a standard project, can range from 0-7% additional cost premium on the installed curtain wall cost.

For architectural glass support, contact your Vitro Architectural Manager or a Vitro Architectural Services representative at **1.855.887.6457**.

Note: The cost estimates depicted in this guide have been developed based on input from industry-leading glass fabricators and glazing contractors and are generally indicative of market factors and conditions. The estimates shown are based on national averages and your actual cost may vary based on local factors. Vitro Architectural Glass is not responsible for the accuracy of such estimates.



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