

Forget the middle. The optimum solution

for increased fenestration performance is on the edge.

Spec the edge.

TECHNOFORM

Looking for performance?
Spec the edge
with Technoform.



When your project demands high-performance fenestration systems, forget about the center of glass.

First...spec the edge. For building professionals looking to improve fenestration thermal performance, reduce condensation and improve thermal comfort, **start on the edge... with Technoform.**

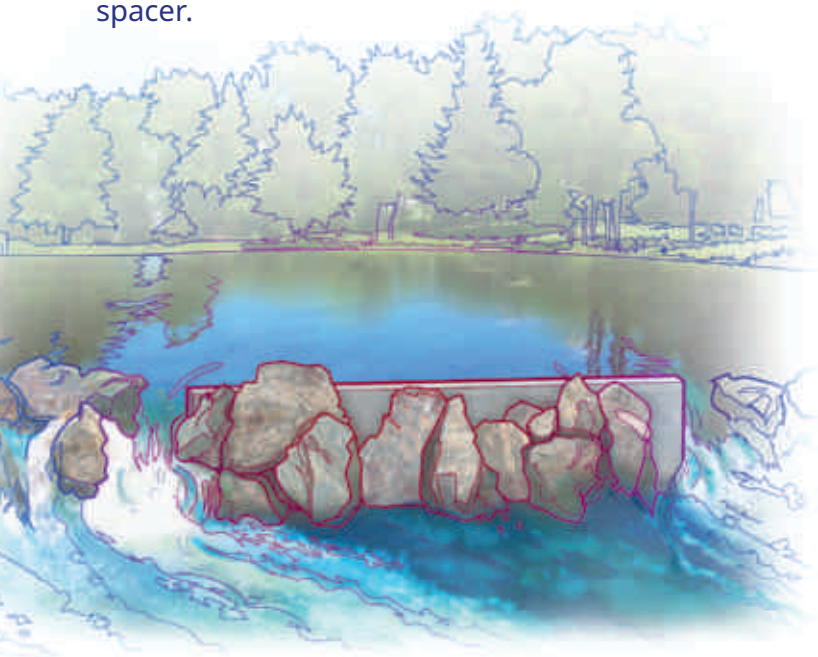
Why the edge matters:

Fact:

Less than 5% of all fenestration systems are effectively specified with adequate warm edge spacers and thermal breaks.

Fact:

A dual-pane fenestration system designed with the right Technoform components can achieve the same performance as a non-thermally broken triple-pane system with an aluminum spacer.



If a dam does not span the entire width of a stream, the water simply flows around the structure—heat works much the same way. Regardless of how well you stop the flow of heat through the center of the glass, if the frame and edge of glass are not well insulated, the heat will flow through the edge of the window, finding the path of least resistance.

Take a closer look at the edge:

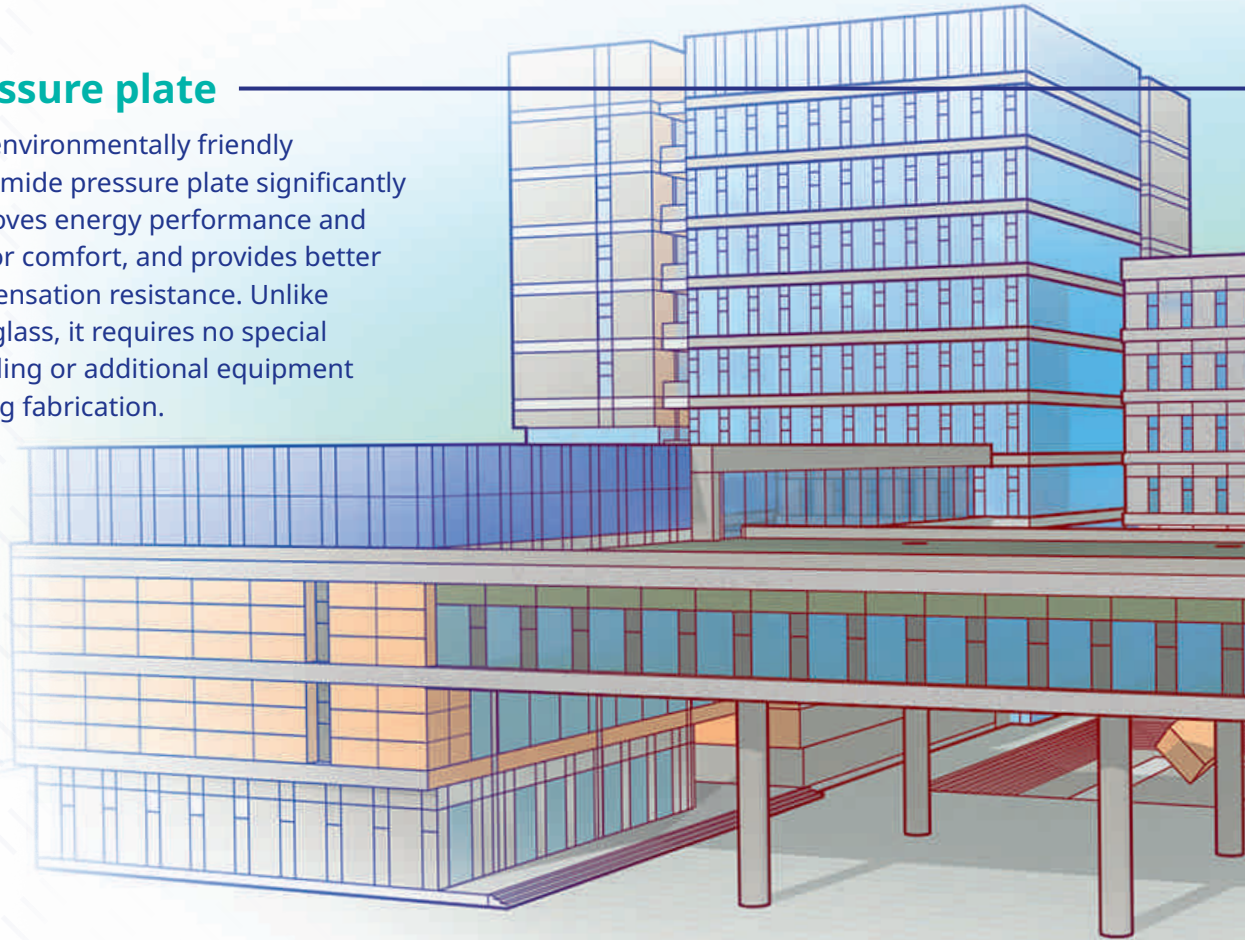
The window frame and edge of glass are critical to creating a high performance window system and is fundamental to its overall performance. Regardless of what is done with the number of panes, coatings and gases, if the frame and edge of glass are not well-insulated, heat and cold will find a way through.

Polyamide pressure plate

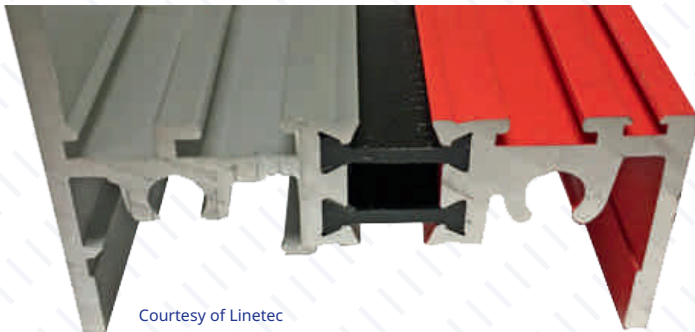


Courtesy of YKK

Our environmentally friendly polyamide pressure plate significantly improves energy performance and indoor comfort, and provides better condensation resistance. Unlike fiberglass, it requires no special handling or additional equipment during fabrication.



Design flexibility:

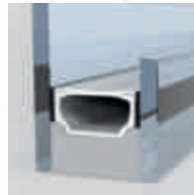


Courtesy of Linetec

Thermal break

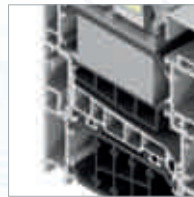
Because interior and exterior components can be finished before assembly of the Technoform thermal break system, dual-color designs, or even dual finishes, can be achieved easily and efficiently.

Durable warm edge spacer



Incorporating our hybrid plastic stainless steel spacer, TGI®-Spacer M, between the glass panes improves the thermal performance of the insulating glass unit without sacrificing durability or design performance. The stainless steel back of TGI®-Spacer M delivers the same high durability and argon retention performance as a stainless steel box spacer, while its engineered polypropylene top delivers the same high thermal performance found in non-metal spacers. It is flexible enough to be used in bent or curved insulating glass. TGI®-Spacer M reduces overall window U-factors by 0.02-0.03 btu/°F.hr.ft² and can be a better option than argon filling because it also improves condensation resistance.

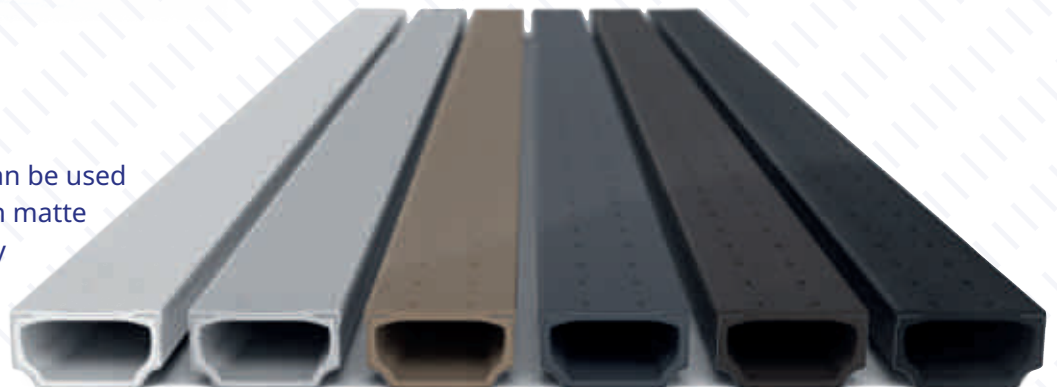
Polyamide thermal break



Separating aluminum extrusions in the window system with our polyamide profiles reduces the flow of thermal energy. Our many standard and custom profiles can improve performance by addressing all forms of energy loss through conduction, convection and radiation. Even greater performance can be achieved with more complex shapes and additional elements such as foam. U-factor as low as but not limited to .17 btu/°F.hr.ft² can be achieved.

Warm edge spacers

Technoform warm edge spacers can be used in bent or flat glass, have a smooth matte finish, and are available in a variety of colors to blend or contrast with the window glass or frame.



Why Technoform?

As your innovation partner, Technoform is committed to providing high-performance insulative solutions for facades, cladding, and fenestration systems. We're experts in thermal zone technology.

Our best-in-class products have been developed through collaboration with our partners to boost the thermal performance of windows, curtainwall, and opaque facades. The relative low cost and high performance return of our solutions give you the ability to balance energy efficiency with occupant health and comfort without compromising your aesthetic vision.



Let's spec the edge. Start a dialogue with Technoform. We're here to help you design for a lifetime of improved thermal performance, reduced condensation, and improved thermal comfort. Find us on MasterSpec and BSD SpecLink or visit us at [Spectheedge.com](https://www.spectheedge.com)

Technoform North America
1755 Enterprise Parkway, Twinsburg, Ohio 44087
(330) 487-6600 info.us@technoform.com



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