

# Why Technoform?

As your innovative partner, Technoform provides high-performance solutions for façade, fenestration and cladding systems.

Our best-in-class building envelope products are developed through collaboration and partnerships with our customers to create customized solutions that boost thermal performance of insulating glass, windows, doors, curtainwall, storefront and opaque façades. The relatively low cost and high performance of Technoform's components help building designers to balance energy efficiency with occupant health and comfort without compromising aesthetics or durability.



**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 enhanced thermal comfort. Find us on MasterSpec® and BSD SpecLink or visit us at [spectheedge.com](https://www.spectheedge.com)

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Earn CEUs by taking Technoform's featured course on BD+C University.

for increased thermal performance is on the edge.  
**Spec the edge.™**

Forget the middle. The optimum solution

**Looking for performance?  
Spec the edge  
with Technoform.**

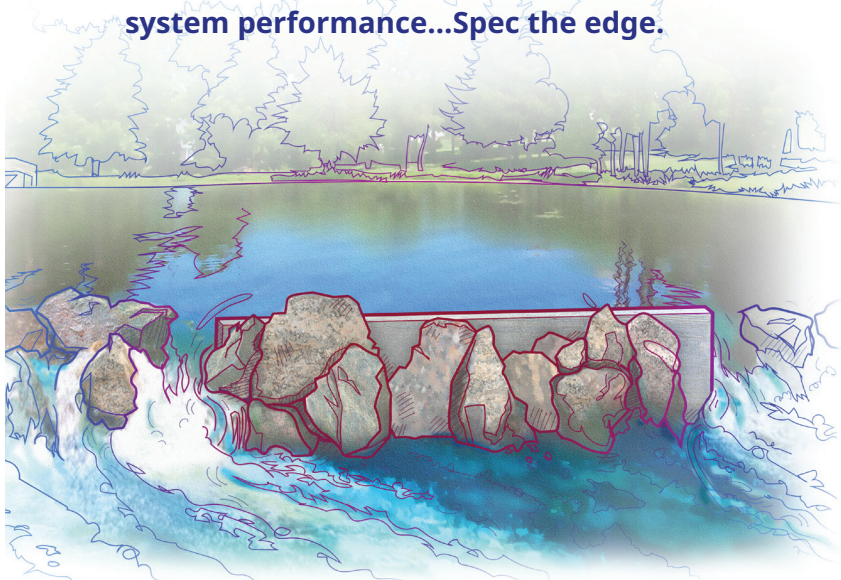


When your project demands high-performance fenestration and wall systems, forget about the middle. First... Spec the edge. For building professionals looking to improve façade thermal performance, reduce risk of condensation and improve thermal comfort, **start on the edge... with Technoform.**

**TECHNOFORM**

## Why the edge matters:

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 window's center of glass or a rainscreen's opaque panel, if the window frame, edge of glass or panel attachments are not well insulated, the heat will flow through the edges of these systems, finding the path of least resistance. **To optimize façade system performance...Spec the edge.**



### 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.

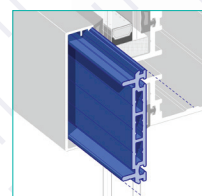
### Fact:

Thermal bridging caused by the attachment mechanisms of rainscreen panels can degrade thermal performance by over 50%, sometimes as much as 80%. The Technoform thermal isolator clip significantly reduces thermal bridging, preserving the high thermal performance of the wall panel system.

## Take a closer look at the edge:

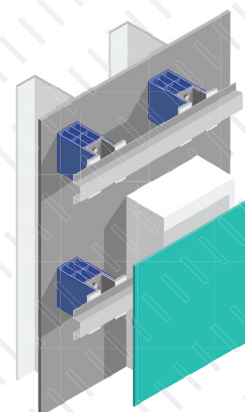
**The optimum solution for increased thermal performance is on the edge.**  
**If the window and wall systems are not well-insulated, heat and cold will find a way through.**

### Polyamide pressure plate

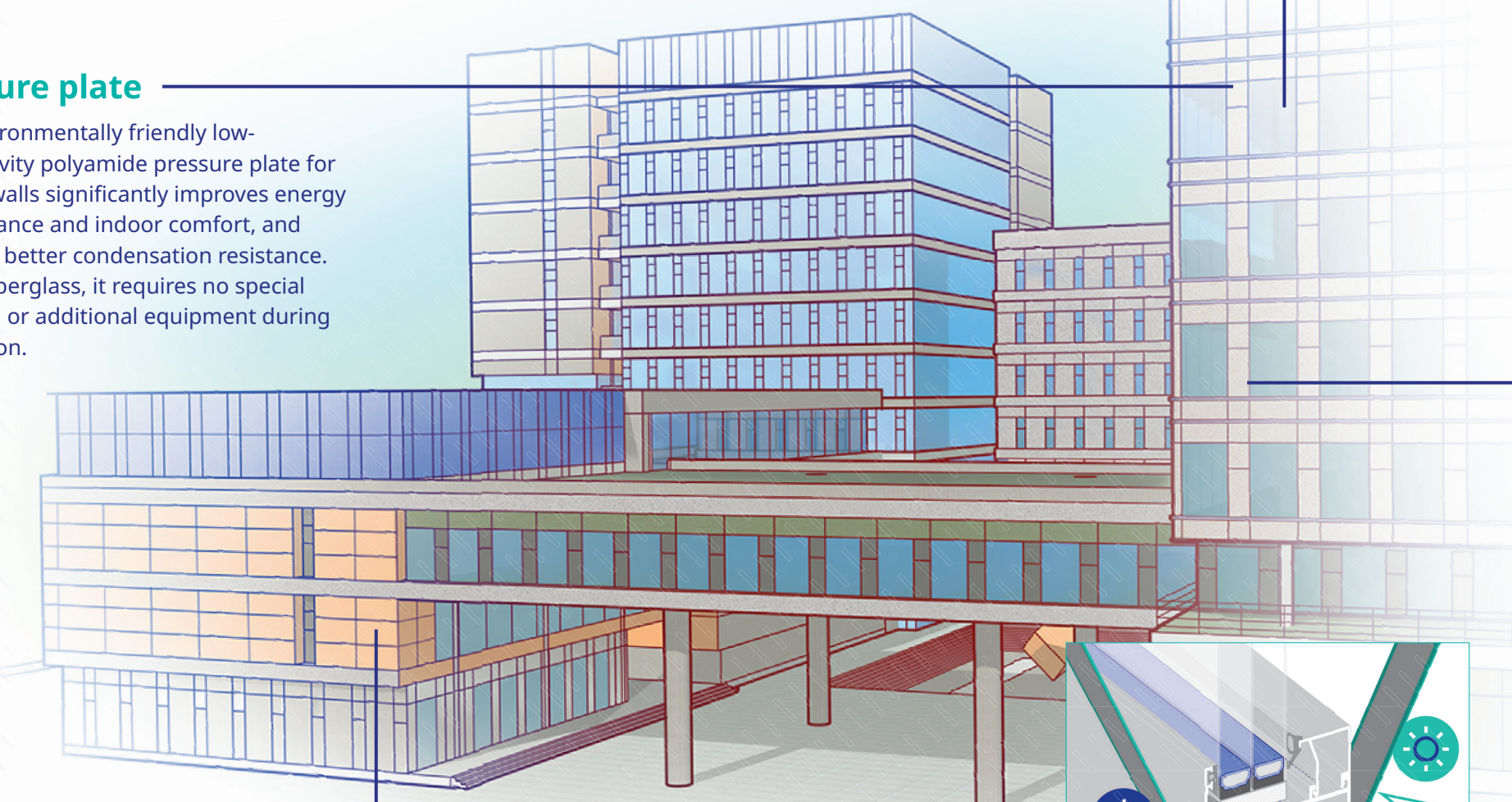


Our environmentally friendly low-conductivity polyamide pressure plate for curtain walls significantly improves energy performance and indoor comfort, and provides better condensation resistance. Unlike fiberglass, it requires no special handling or additional equipment during fabrication.

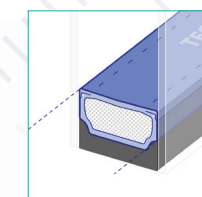
### Thermal isolator clip



The innovative thermal isolator clip series is a cost effective and thermally efficient exterior cladding attachment system. The clip significantly reduces thermal bridging, is easy to install, and keeps energy in and condensation out. Technoform's isolator clip is an ideal solution for increasing the overall thermal performance of structures with cladded exteriors. Thoughtful design and material also provide significant labor savings during the installation of exterior wall panel systems.



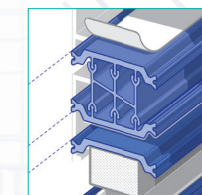
### Durable warm edge spacer



Incorporating our plastic hybrid stainless steel warm edge spacer between the glass panes improves the thermal performance of the insulating glass unit without sacrificing durability or design performance. The stainless steel back of this warm edge spacer 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. The warm edge spacer reduces overall window U-factors by 0.02-0.03 btu/°F.hr.ft<sup>2</sup> and up to 0.05 btu/°F.hr.ft<sup>2</sup> in structurally glazed curtainwall. It can be a better option than argon filling because it also improves condensation resistance.

Technoform hybrid 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.

### Polyamide thermal barrier



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 thermal 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. System U-factors as low as but not limited to 0.17 btu/°F.hr.ft<sup>2</sup> can be achieved.

### Whole window system

To achieve the lowest fenestration thermal transmittance and highest condensation resistance, it is necessary to look more broadly at the window as a system, including the edges: the frame and edge of glass. Having a high-performance edge is an enabler for achieving a high-performance window system, and it can provide greater flexibility in glass choice because the highest center of glass U-factor may not be needed. When designing windows for thermal and condensation resistance performance, start with the edge first. Doing so delivers higher performance and more flexibility, reduced complexity and potentially reduced cost for the glazing in-fill.

