**Technoform Bautec announces low-conductivity pressure plate options to increase curtain walls’ thermal performance**

Twinsburg, Ohio (June 2017) – Technoform Bautec introduces low-conductivity, polyamide pressure plate options to improve thermal performance in curtain wall systems, which contributes to achieving commercial buildings’ energy-efficiency, wellness and sustainability goals.

The pressure plate designed accommodates a variety of manufacturer-supplied exterior covers to address project-specific requirements of both new construction and renovation projects. Technoform Bautec’s newest pressure plate design was created for 2-inch-wide systems. An option for 2.5-inch-wide systems also is available.

“At Technoform Bautec, we are focused on providing architects and the fenestration industry with quality, proven solutions to meet the needs of sustainable design. Together, we can create sustainable solutions that lower the energy demand of commercial buildings,” says Chad Ricker, Technoform Bautec market team manager.

Technoform Bautec developed the new polyamide pressure plate with the support of its global partner, YKK AP. The polyamide composition creates a highly effective thermal barrier that helps insulate 500 times better than aluminum. Curtain wall systems using the new pressure plate design have demonstrated performance increases of up to a 20 percent gain in U-Factor and a 10 percent gain in condensation resistance when used with standard low-emissivity glass, air infill and an aluminum box-type spacer.

“It also reduces temperature transfer from the exterior to the interior, creating a more comfortable interior space,” explains Ricker. “Even greater performance can be achieved when combined with higher performance glass packages. Delivering U-Factors as low as 0.17 btu/oF.hr.ft2, this solution not only exceeds current codes, but also meets or exceeds the most stringent green building codes and standards in the industry today.”

Beyond thermal performance metrics, Technoform Bautec’s insulating profiles also can contribute to building teams’ wellness and sustainable project goals, such as the daylighting and material health ingredient criteria detailed in the U.S. Green Building Council’s LEED® v4. Demonstrating its commitment to these practices, Technoform Bautec’s insulating profiles were awarded a Gold Material Health Certificate by the Cradle to Cradle Products Innovation Institute.

He continues, “Polyamide 6.6 is a proven, safe and an environmentally friendly material. Our new polyamide pressure plate is a superior alternative to competitive fiberglass pressure plates that require special handling and equipment during fabrication. They also deliver long-term durability and water-tightness, resist heat distortion and withstand most chemicals used in the construction industry.”

To learn more about Technoform Bautec, please email info@technoform.us, call 330-487-6600 or visit http://www.technoform-bautec.us.

A member of Technoform Group, Technoform Bautec North America Inc., specializes in developing and manufacturing high-precision polyamide insulation profiles, as well as special solutions for aluminum windows, doors, and façades. The company globally produces more than 1 billion feet of insulating profiles annually. An innovative, industry leader for nearly 40 years, its worldwide market presence comprises eight production plants on three continents to ensure short lead times, and 22 sites worldwide to enhance close customer support.

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