

## **Pilkington Profilit™ Channel Glass Systems**

Suitable for a wide range of uses, including both exterior and interior applications, [Pilkington Profilit](#) channel glass systems from Technical Glass Products (Snoqualmie, Washington) consist of unique, self-supporting cast glass channels and an extruded metal perimeter frame. The channels are dual-glazed for exterior applications and can be single- or dual-glazed for interiors.



Due to their ability to transmit natural light, exterior applications include storefronts and facades, wall systems, windows and strip lighting. In addition, since the glass channels are available in a variety of colors and translucencies to help maintain privacy while still admitting light, common interior applications include partition walls, as well as object architecture.

Unlike conventional glass block, the channels soar up to 23 feet in height and can be installed vertically or horizontally, and formed into straight or curved walls. This allows for large glazing spans in a wide range of commercial and residential applications, benefiting green-minded architects who strive to capture more natural daylight and reduce energy costs. Architects can further increase the area of glazing by stacking channel glass systems over floor slabs or exterior framing.

When mounted in an overlapping fashion, the space between individual glass channels holds dead air for enhanced insulating capability. The result is a typical solar heat-gain coefficient of 0.70 and a U-value of 0.49. Incorporating Nanogel® aerogel within the enclosed space and using low-E glazing can further enhance energy performance by reducing the U-value to as low as 0.19.

For daylighting designs in hurricane regions, Pilkington Profilit Hurricane is the only tested and approved hurricane impact channel glass system in North America. Approved by Miami-Dade County and the state of Florida, Pilkington Profilit Hurricane provides protection for buildings against high winds and wind-borne debris, while allowing the passage of natural light.

For more information go to: [www.tgpamerica.com](http://www.tgpamerica.com)