

## TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM

The Pilkington Profilit™ translucent linear channel glazing system consists of unique, self-supporting cast glass channels and an extruded metal perimeter frame. The end result is an opaque but light-transmitting wall. Pilkington Profilit can be used in interior or exterior applications. The “U-shaped” channels can be installed either vertically or horizontally.

The glass is available in a variety of colors and textures with varying translucency, allowing for the passage of natural light without the loss of privacy. Pilkington Profilit is energy efficient, provides excellent sound reduction, and it’s one of the most cost-efficient glass wall systems available. It can be single or dual glazed for interior use or dual glazed for exterior applications. Technical Glass Products is the exclusive supplier of Nanogel® aerogel insulation panels which can be provided for greater energy efficiency.

## FEATURES

- **Colors:** Standard Cast (patterned surface with slight green hue); Amethyst (standard cast with a blue coating); Clear (no pattern or hue)
- **Optional coatings:** Low-E (Plus 1.7), Sun protection (Antisol®)
- Available in long channel lengths – up to 23 ft (7 m)
- May be tempered or filmed to meet impact safety requirements
- Allows passage of light while maintaining privacy
- May be insulated with Nanogel aerogel for energy efficiency
- Excellent light transmission
- Sound insulation (up to 42 db uninsulated, 44 db with Nanogel insulation)
- Can be utilized in curved walls
- Installs vertically or horizontally
- Aluminum perimeter frame provides additional structural strength
- Interior applications may be installed into wood jambs or millwork instead of TGP’s aluminum framing
- Minimal maintenance
- Proven performance – used in Europe for more than 30 years
- Most channels available with pinstripe wires



## GENERAL CHARACTERISTICS

APPROXIMATE FACE WIDTH	K22: 9.13 in (232 mm)	K25 (STANDARD): 10.31 in (262 mm)	K32: 13.03 in (331 mm)
APPROXIMATE FLANGE HEIGHT	2.36 in (60 mm)		
STANDARD THICKNESS	.28 in (7 mm)*		
MAXIMUM LENGTH	Up to 23 ft (varies according to windload and project requirements)		
WEIGHT / FT <sup>2</sup> OF CHANNEL SURFACE (including frame and components)	12 lb / ft <sup>2</sup> dual glazed 7 lb / ft <sup>2</sup> single glazed		
LIGHT TRANSMISSION	70-75% (uninsulated, varies with coating)		
U-VALUE (glass only)	.49 (uninsulated), .40 (Low-E uninsulated), .21 (Low-E with 16 mm Nanogel insulation), .19 (Low-E with 25 mm Nanogel insulation)		
SOLAR HEAT GAIN COEFFICIENT	.70 (uninsulated), .45 (Low-E uninsulated), .42 (Low-E with 16 mm Nanogel insulation), .31 (Low-E with 25 mm Nanogel insulation)		
STC RATING	42 dB (uninsulated), 44 dB (with 16 mm or 25 mm Nanogel insulation)		

\*6 mm options are also available. Contact TGP for further information.

## TESTING

Pilkington Profilit has been tested to meet the following standards: AAMA 501.4, AAMA 101, AAMA 1801-97, AAMA/NWDA 101/1, S.297, ASTM F 588-97, NFRC 100-97, ANSI Z97.1-1984, CPSC 16CFR 1201, Category II (with safety film). All testing carried out by Architectural Testing Inc., York, PA. Formal test results are available by contacting Technical Glass Products.

## SPECIFICATIONS

Complete 3-part CSI format specifications are available online at [www.tgpamerica.com](http://www.tgpamerica.com), or by calling **800.426.0279**. Please contact Technical Glass Products for more information.

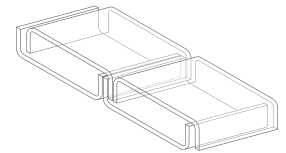
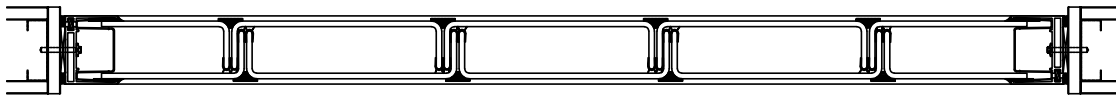
## INSTALLATION

Pilkington Profilit should be installed in accordance with approved shop drawings – plumb, level, square and free from warp or twist while maintaining dimensional tolerances and alignment with surrounding construction.

Erect framing, vinyl spacer and glass in accordance with manufacturer's printed installation instructions. Seal glass units continuously on both sides of glass between frame and glass and between linear glass units. Install perimeter joint sealant and backing materials between assemblies and adjacent construction.

## STANDARD VERTICAL GLAZING

### DUAL GLAZING - THERMALLY BROKEN



### SINGLE GLAZING - NON THERMALLY BROKEN

