



## HURRICANE-RATED TRANSLUCENT LINEAR CHANNEL GLAZING SYSTEM

Pilkington Profilit™ Hurricane is the only tested and approved hurricane impact channel glazing system in North America. The system consists of unique, self-supporting cast glass channels and an extruded metal perimeter frame. The end result is an impact resistant translucent glass wall. 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 Hurricane is energy efficient and provides excellent sound reduction. It is dual glazed for exterior applications and is available with optional light transmitting insulation. Technical Glass Products is the exclusive supplier of Nanogel® aerogel insulation panels which can be provided for greater energy efficiency.

### FEATURES

- Rated for Miami-Dade at 60 PSF design load and maximum glass length of 10'
- Rated for Florida State Product approval for non impact glass as well as impact-rated glass, restricted to vertical orientation only
- Colors: Standard Cast (patterned surface with slight green hue); Micro cast (muted fine mesh texture with slight green cast); Amethyst (standard cast with a blue coating); Antisol (standard cast with bronze coating); Clear (no pattern or hue) and Opaque (opaque polycarbonate laminate decreases translucency)
- Polycarbonate laminated to the interior surface of the glass
- Allows passage of light while maintaining privacy
- May be insulated with Nanogel insulation for energy efficiency
- Excellent light transmission
- Sound insulation (up to 42 db uninsulated, 44 db with Nanogel insulation)
- Aluminum perimeter frame provides additional structural strength
- Minimal maintenance

### GENERAL CHARACTERISTICS

<b>APPROXIMATE FACE WIDTH</b>	K70 (10-5/16")
<b>APPROXIMATE FLANGE HEIGHT</b>	60 mm, 2 3/8"
<b>MAXIMUM LENGTH</b>	10'-0" (Max DLO = 9'-10 3/4")
<b>WEIGHT PER FT²</b>	14 lb/ft²
<b>LIGHT TRANSMISSION</b>	70-75% (uninsulated, varies with coating)
<b>U-VALUE</b>	.49 (uninsulated) .21 (with 16 mm Nanogel insulation) .19 (with 25 mm Nanogel insulation)
<b>STC RATING</b>	42 dB (uninsulated) 44 dB (with Nanogel insulation)
<b>SYSTEM DEPTH</b>	3-3/4"

#### PILKINGTON PROFILIT

#### PILKINGTON PROFILIT HURRICANE

<b>ALLOWED SYSTEM GLASS TYPE</b>	Any K41 series glass, K22/60 width, K32/60 width	K25/60/70 series glass
<b>ORIENTATION/CONFIGURATION</b>	Horizontal, vertical, serpentine	Vertical glazing only
<b>MAXIMUM ELEVATION</b>	23'	10'-0" (Max DLO = 9'-10 3/4")
<b>SAFETY</b>	Can be tempered / filmed	Laminate (clear or opaque)
<b>SANDBLASTING</b>	Can be sandblasted	Opaque laminate (to simulate sandblasted)
<b>WIND ANCHORS</b>	Yes	No wind anchors needed at this height
<b>GLASS TYPES</b>	All glass types including those with pyrolytic coatings (Low-E, Amethyst, Antisol)	All glass types including those with pyrolytic coatings (Amethyst, Antisol)
<b>BACK PAINTING</b>	Available	N/A
<b>COLORED CERAMIC FRIT</b>	Available	N/A
<b>GLASS CORNERS</b>	Available	N/A
<b>HEIGHT TRANSITIONS</b>	Stack joints, stepped, raked	Stack joints, stepped, raked

## TESTING

Pilkington Profilit Hurricane has been tested to meet the following standards: Miami/Dade County, NOA number 06-0810.12, TAS 201, TAS 202, TAS 203, Florida State Product approval # FL 10792, AAMA 501.4, AAMA 101, AAMA 1801-97, AAMA/NWWDA 101/1, S.297, ASTM F 588-97, NFRC 100-97, ANSI Z97.1-1984, CPSC 16CFR 1201, Category II. All testing carried out by Architectural Testing Inc., York, PA.; Fenestration Testing Labs, Medley, FL; and ETC Labs, Rochester, NY. Formal test results are available by contacting Technical Glass Products.

Note: Exceptions to hurricane rating approval include horizontally glazed orientation, radius, serpentine and all glass corner configurations.

## SPECIFICATIONS

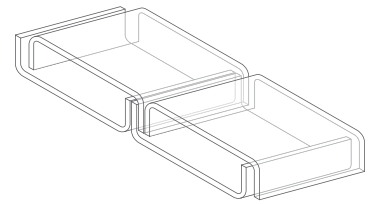
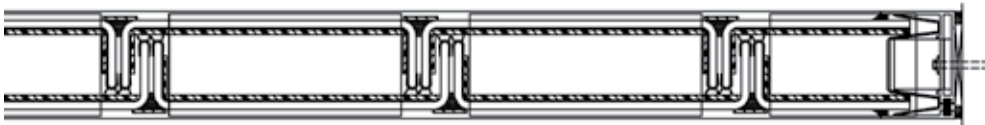
Complete 3-part CSI format specifications are available online at [tgpamerica.com](http://tgpamerica.com), or by calling 800.426.0279. Please contact Technical Glass Products for more information.

## INSTALLATION

Pilkington Profilit Hurricane 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



### PERIMETER FRAMING SYSTEM (Details shown are thermally broken)

