

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 Lumira® aerogel, which can be provided for greater energy efficiency.

FEATURES

- Rated for Florida State Product approval for non impact glass as well as impact-rated glass, restricted to vertical orientation only
- Polycarbonate laminated to the interior surface of the glass
- Allows passage of light while maintaining privacy
- May be insulated with Lumira aerogel insulation for energy efficiency
- Excellent light transmission
- Sound insulation (up to 42 db uninsulated, 44 db with Lumira aerogel insulation)
- Aluminum perimeter frame provides additional structural strength
- Minimal maintenance

GENERAL CHARACTERISTICS

APPROXIMATE FACE WIDTH	K25: (10-5/16")
APPROXIMATE FLANGE HEIGHT	60 mm, 2 3/8"
MAXIMUM LENGTH	10'-0" (Max DLO = 9'-10 3/4")
WEIGHT/FT²	14 lb/ft ²
LIGHT TRANSMISSION	70-75% (uninsulated, varies with coating)
U-VALUE (GLASS ONLY)	.50 (uninsulated) .34 (with 16 mm Lumira aerogel insulation) .28 (with 25 mm Lumira aerogel insulation)
STC RATING	42 dB (uninsulated) 44 dB (with Lumira aerogel insulation)
SYSTEM DEPTH	3-3/4"

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



BIM 3D Model



PILKINGTON PROFILIT™ VS. PILKINGTON PROFILIT™ HURRICANE

	PILKINGTON PROFILIT	PILKINGTON PROFILIT HURRICANE
ALLOWED SYSTEM GLASS TYPE	Any K41 series glass, any K60 series glass	K25/60/7 series glass
ORIENTATION/CONFIGURATION	Horizontal, vertical, serpentine	Vertical glazing only
MAXIMUM ELEVATION	23'	10'-0" (Max DLO = 9'-10 3/4")
SAFETY	Can be tempered / filmed	Laminate (clear or opaque)
SANDBLASTING	Can be sandblasted	Opaque laminate (to simulate sandblasted)
WIND ANCHORS	Yes	No wind anchors needed at this height
GLASS TYPES	All glass types including those with pyrolytic coatings (Low-E, Amethyst, Antisol)	All glass types including those with pyrolytic coatings (Amethyst, Antisol)
BACK PAINTING	Available	N/A
COLORED CERAMIC FRIT	Available	N/A
GLASS CORNERS	Available	N/A
HEIGHT TRANSITIONS	Stack joints, stepped, raked	Stack joints, stepped, raked

LISTINGS/STANDARDS

Pilkington Profilit Hurricane meets Florida State Product approval FL15101-1-R2 (large missile) and FL23184-R2 (non-impact) and has also been tested to meet the following standards:

AAMA 504.1	TAS 201	ANSI Z97.1-1984	CPSC 16CFR 1201*
AAMA 101	TAS 202	ASTM F 588-97	NFRC 100-97
AAMA/NWWDA 101/1	TAS 203	S.297	

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

*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.

DESIGN OPTIONS

Textures

- **Standard Cast:** patterned surface with slight green hue
- **Macro cast:** large mesh texture with slight green cast

Colors

- **Clear:** no pattern or hue
- **Amethyst:** standard cast with a blue coating
- **Opaque:** opaque polycarbonate laminate decreases translucency

SPECIFICATIONS

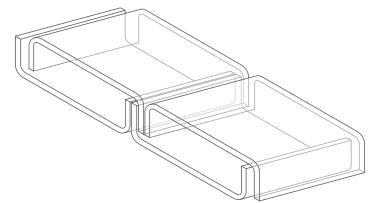
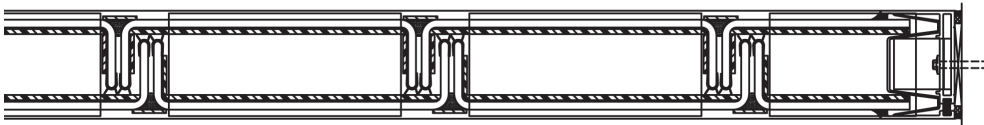
Complete 3-part CSI format specifications are available online at tgpamerica.com, or by calling 800.426.0279. Please contact Technical Glass Products for more information.

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)

