

HURRICANE-RATED SMALL MISSILE IMPACT RESISTANT LINEAR CHANNEL GLAZING SYSTEM

Pilkington Profilit™ Hurricane LT is the only tested and/or approved small missile impact resistant channel glass system for use in North America. Pilkington Profilit Hurricane LT provides a lower cost alternative for applications requiring impact-rated glass in storm prone regions that are 30 feet or higher above ground level. 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 LT 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 insulation panels, which can be provided for greater energy efficiency.

For applications below 30 feet with large missile impact resistant requirements, please see Pilkington Profilit Hurricane.

FEATURES

- Rated for ASTM – E 283, E 339, E 547, E 1886 and E 1996 at maximum glass lengths of up to 13'-1 9/16" (for horizontal applications)
- Tested for vertical and horizontal applications
- Colors: Standard Cast (patterned surface with slight green hue); Macro Cast (large 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 Low-Iron (nearly colorless and available in Macro, and Standard Cast textures)
- Clear SCLARL 400 film applied to the interior surface of heat strengthened channel glass
- Allows passage of light while maintaining privacy
- May be insulated with Lumira aerogel insulation for energy efficiency
- Excellent light transmission
- Sound insulation (minimum of 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	Horizontal: 13'-6"
WEIGHT PER FT ²	12 lb/ft ²
LIGHT TRANSMISSION	70-75% (uninsulated, varies with coating) .50 (uninsulated) .34 (with 16 mm Lumira aerogel insulation)
U-VALUE	.28 (with 25 mm Lumira aerogel insulation)
STC RATING	42 dB (uninsulated) 44 dB (with Lumira aerogel insulation)
SYSTEM DEPTH	3-3/8"

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ALLOWED SYSTEM GLASS TYPE	Any K41 series glass, any K60 series glass	K25/60/7 series glass
ORIENTATION/CONFIGURATION	Horizontal, vertical, serpentine	Vertical or horizontal
MAXIMUM ELEVATION	23'	Vertically glazed=148" H, Horizontally glazed=162" W
SAFETY	Can be tempered / filmed	Meets ANSI Z97.1- 2004, CPSC 16 CFR 1201
SANDBLASTING	Can be sandblasted	N/A
WIND ANCHORS	Yes	Not required
GLASS TYPES	All glass types including those with pyrolytic coatings (Low-E, Amethyst, Antisol)	All surface textures except "Wave"
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
TEST REPORTS AVAILABLE	Yes, contact TGP	Yes, contact TGP

TESTING

Pilkington Profilit Hurricane LT has been tested to meet the following standards: ASTM – E 283, E 339, E 547, E 1886 and E 1996, AAMA 501.4, AAMA 101, AAMA 1801-97, AAMA/NWDA 101/1, S.297, ASTM F 588-97, NFRC 100-97, ANSI Z97.1-2004, 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 small missile impact rating approval include applications below 30 feet, radius, serpentine and all glass corner configurations.

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 LT 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



PERIMETER FRAMING SYSTEM

(Details shown are thermally broken)

