

Lamberts LINIT U-Profile Glass



Lycee Francais, New York, New York

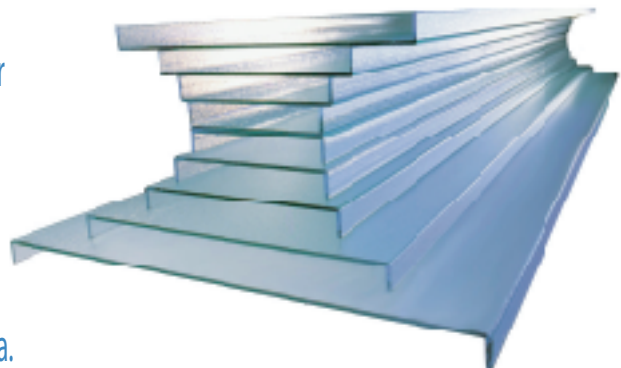


Meyer Library, St. Louis, Missouri

Lamberts LINIT U-Profile glass system

- Provides architects and design professionals with an attractive, unique alternative to conventional interior, exterior, vertical and horizontal glass wall systems. The U-Profile glass system provides a depth and profile not found in conventional glass wall applications.
- Provides excellent structural capacity without vertical aluminum framing members. Thanks to its cross-sectional shape, LINIT U-Profile glass can be installed in lengths up to 22 feet without intermediate metal supports.
- **Tempered** and 100% heat soak tested, LINIT U-Profile glass is SGCC® certified ANSI Z97.1-84 and CFR 16 part 1201 category II compliant.
- Creates a wall of glass – eliminating the need for most vertical and intermediate horizontal aluminum members. LINIT U-Profile glass channels, pocket glazed into the Bendheim LINIT Frame System (patented), meet most standards for air and water infiltration, structural deflection, and inter-story drift.
- Our new horizontal unitized glass wall system allows for assembly in the glazier's shop under controlled conditions. The completed unit can be delivered to the project and hoisted into position. Bendheim's unitized H60 Wall System can increase the pace of the project and shorten the schedule. A perfect combination of aesthetics and quality construction.

S. A. Bendheim Company, Inc. was founded in 1927 as an importer and distributor of specialty glass products. From its inception, Bendheim and Glasfabrik Lamberts (founded 1889 in Germany) worked together in partnership. Today Bendheim and Lamberts are bringing LINIT U-Profile glass from Lamberts' state-of-the-art, environmentally friendly factory to North America.



Lamberts LINIT U-Profile glass wall systems have been used throughout Europe for many decades and are now recognized in North America as an attractive and unique alternative to conventional interior and exterior glass wall systems.



Pier One, San Francisco, California



University of Massachusetts Fine Arts Center, Amherst, Massachusetts

Selected Projects Completed:

[US]

Ballinger Architectural Offices, Philadelphia, Pennsylvania
 Baton Rouge Center for the Arts, Baton Rouge, Louisiana
 Bloomberg Headquarters, Washington, District of Columbia
 Boston Center for the Arts, Boston, Massachusetts
 British Airways Terminal, JFK Airport, New York
 Discovery Communications Headquarters, Silver Spring, Maryland
 Espirito Santo, Miami, Florida
 Greater Washington Collaborative, Washington, District of Columbia
 Harvard Medical School Research Center, Boston, Massachusetts
 Holly Hunt Corporate Headquarters, Chicago, Illinois
 Lewis-Sigler Institute for Integrative Genomics, Princeton, New Jersey
 Lycee Francais, New York, New York
 Medventures Headquarters, Emeryville, California
 Meyer Library, St. Louis, Missouri
 New York Presbyterian Hospital, New York, New York
 One Metro Center, Washington, District of Columbia
 Oxbow School Faculty Housing, Napa, California
 Parcel 8, Boston, Massachusetts
 Philadelphia Performing Arts Center, Philadelphia, Pennsylvania
 Pier One, San Francisco, California
 Richard Bolling Federal Building, Kansas City, Kansas
 33 Kingston Street, Boston, Massachusetts
 University of Massachusetts Fine Arts Center, Amherst, Massachusetts
 Washington Real Estate Investment Trust, Rockville, Maryland
 The Winter Garden, New York, New York



Parcel 8, Boston, Massachusetts



Princeton Genomics, Princeton, New Jersey

[Europe]

Millennium Point, Birmingham, UK
 Bio Medicum, Helsinki, Finland
 Thyssen Krupp Steel AG, Dortmund, Germany
 Zug Sportshall, Zug, Switzerland
 Salzburg Powerstation, Salzburg, Austria
 Media Center, Hamburg, Germany
 Museum of Modern Arts, Leipzig, Germany

Surface Textures



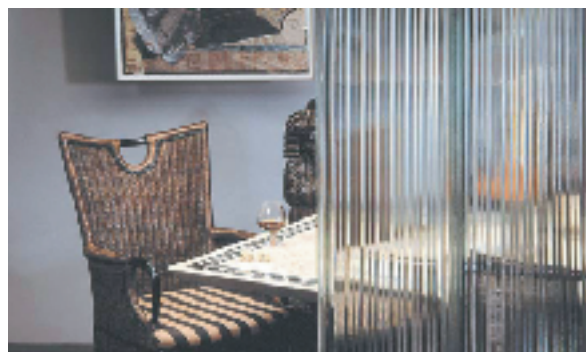
504 Hammered pearl structure, featuring excellent light scattering properties.



Klar Without texture, provides excellent transparency for a rolled glass.



Solar Finely scribed mesh pattern creates subdued, veiled images for a soft sense of privacy.



Prismsolar Precisely chiseled pattern prismatically bends light and vision in its deep, v-cut surfaces.

Coatings and Finishes Available

1.7W Low-e: Reflects long wave radiation to help retain heat. Iridescent aesthetic.

Solex: Reflects short wave radiation to reduce heat retention. Bronze aesthetic.

Azur: Enhances thermal/solar characteristics. Blue-gray aesthetic.

Sandblast: Light diffusing, frosted aesthetic. A protective coating is applied to reduce fingerprinting.

LINIT U-Profile glass and the Bendheim LINIT Frame System allow architects to create sweeping curtain wall facades of 22 foot tall glass sections and stunning interior walls.



The Winter Garden, New York, New York



Industrial Hall, Germany

LINIT's surface textures and coatings offer a variety of aesthetic possibilities. The superior strength of SGCC certified tempered LINIT U-Profile glass allows for greater spans and makes it the ideal choice for all situations that require safety glazing. Lamberts performs the only recognized and approved nickel sulfide heat soak test for tempered channel glass in the world.

Technical Specifications: Dimensions

LINIT Profile	Approximate Face width:	Approximate Flange height:	Thickness:	Max Length:
P23	9 1/8" (232mm)	1 5/8" (41mm)	6 mm	22' 11" (700cm)
P26	10 5/16" (262mm)	1 5/8" (41mm)	6 mm	22' 11" (700cm)
P33	13 1/32" (331mm)	1 5/8" (41mm)	6 mm	22' 11" (700cm)
P50	19 5/8" (498mm)	1 5/8" (41mm)	6 mm	22' 11" (700cm)
P23/60/7	9 1/8" (232mm)	2 3/8" (60mm)	7 mm	22' 11" (700cm)
P26/60/7	10 5/16" (262mm)	2 3/8" (60mm)	7 mm	22' 11" (700cm)
P33/60/7	13 1/32" (331mm)	2 3/8" (60mm)	7 mm	22' 11" (700cm)

Please contact us for information on spans and wind load applications.



Technical Properties:

Interior glass	504	504 + 1.7 low E	504	Klar
Exterior glass	504	504	504 with Solex coating	Klar
UV transmission	0.38	0.32	0.24	0.41
Total solar transmission	0.73	0.69	0.63	0.74
Shading coefficient (g/.80)	0.91	0.86	0.79	0.93
U = BTU/sq.ft.hr °F	0.49	0.32	0.49	0.49

Please contact us for data on other surface textures and combinations.

Bendheim Aluminum Frame Systems:

Exterior Vertical Glass Orientation

Bendheim V60 Curtain Wall System – Single or double glazed and sealed inter-story curtain wall

Bendheim VRS60 Rain Screen System – Single glazed multi-story rain screen

Bendheim VFS60 Store Front System – Single or double glazed and sealed, single story curtain wall

Exterior Horizontal Glass Orientation

Bendheim H60 Wall System – Single or double glazed and sealed (unitized construction) for fixed openings

Bendheim HRS60 Rain Screen System – Single glazed rain screen

Interior Vertical and Horizontal Glass Orientation

Lamberts 60 and 83 Partition Systems – Single or double glazed

Curved Frames available on all vertical glass orientations.

Please contact us for more information.

LINIT U-Profile Glass has passed testing for the following certifications:

Tempered glass testing:

Impact: ANSI Z97.1 & CFR 16, part 1201 category II – results: passed

Compression: ASTM C1048 – results: 10,000 psi surface compression

The **Bendheim V60** and **Bendheim H60 Wall Frame Systems** with LINIT U-Profile Glass

have been tested and passed per the following:

Static air infiltration: ASTM E283 – results: .01 cfm @ 6.24 psf

Structural deflection: ASTM E330 – results: < L/300 @ 30 psf

Static water infiltration: ASTM E331 – results: no leakage @ 15 psf

Dynamic pressure water infiltration: AAMA 501.1 – results: no leakage @ 15 psf

Interstory drift: AAMA 501.4 – results: category III performance @ ±3.00" displacement from 0.

Test reports, technical details, and design support are available upon request.

For more information
Please call **800-221-7379**
or email **linit@bendheim.com**

visit the
BENDHEIM WALL SYSTEMS website
www.bendheimwall.com

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