NEW! ULTRA HI-PERFORMANCE
SLENDER WALL

28 lbs. per sq. ft. Architectural Precast Concrete/Steel Stud Building Panels

www.SlenderWall.com

Combining Time-Tested Components for Unlimited Design Freedom, Unmatched Product Life and Unequaled Savings

Virginia’s Tallest Building, 38 stories
Westin Virginia Beach Town Center
Luxury Hotel and Residences
Architect: BBG-BBGM
Precaster: Smith-Midland

Licensed By

EASISET® WORLDWIDE
NEW! ULTRA HI-PERFORMANCE SLENDER\textsuperscript{\textregistered} WALL \textsuperscript{7} “Must Have” cladding technologies.

Available ONLY with the SlenderWall panel system:

1 \textbf{H\textsubscript{2}OUT\textsuperscript{TM}}
Sealant Joint Rainscreen & Street-Level Leak Detection System

2 \textbf{LIFT-AND-RELEASE\textsuperscript{TM}}
Fast Panel-Landing System

3 \textbf{FACTORY-INSTALLED WINDOWS}
Windows Installed and Sealed Under Factory Conditions
Factory-Installed Windows performed at ground level in a controlled environment to improve the fit and provide visual inspection.
Benefit: Lower window installation cost, reduced construction schedules and on-site trades.

4 \textbf{FACTORY-APPLIED INSULATION}
Continuous Closed-Cell Foam Insulation
Factory-Applied Insulation is performed in a controlled environment with unlimited access to panel.
Benefit: Reduced construction schedules, improved consistency of application, reduced time for on-site trades.

5 \textbf{DURAFLEX 360\textdegree\textsuperscript{TM}}
Differential Movement Stainless-Steel Anchors
DuraFlex 360\textdegree\textsuperscript{TM} is the only precast to steel-stud frame thermal-coated stainless-steel connection providing 360\degree isolation of the precast concrete skin from structural stresses (wind, expansion, contraction, and seismic).
Benefit: Increased structural integrity and water tightness.

6 \textbf{SECOND NATURE\textsuperscript{TM}}
Architectural Precast Concrete Brick
Second Nature\textsuperscript{TM} is the only “Class A” Architectural Precast Concrete Brick finish with the quality level necessary for “Class A” commercial projects. It looks like hand-laid brick.
Benefit: No leaking brick joints.

7 \textbf{THERMA GUARD\textsuperscript{TM}}
Thermal-Break / Air Barrier Precast Concrete System
TheraMaGuard\textsuperscript{TM} is the only 100\% thermal-break/air barrier connection system incorporating a thermal-break created by the 1/4-inch space between the concrete and steel-stud frame and the exclusive DuraFlex 360\textdegree Stainless-Steel Anchors which prevents corrosion and reduces thermal transfer by 63%.
Benefit: Reduced heating and cooling costs.

Architects & Engineers say SlenderWall is “the most significant exterior wall system developed in 40 years.”

Patented

Superior School of Technology, Montreal, Canada

Stainless steel anchors reduce thermal transfer by 63\% compared to carbon steel

G90 Heavy-gauge galvanized steel stud accommodates interior finish, ready for drywall

Optional factory-applied closed-cell foam insulation

High-strength architectural precast concrete, 2-inches thick with molecularly-bound high-tech fiber reinforcement

Available in a variety of colors, textures and “Class A” finish combinations

MEETS IECCE ENERGY CODE

Patented

Drain tube filled with calibrated drain strip

Sealant Dam - strategically placed to direct any leak back thru the first line of sealant to the exterior drain tube

One drain tube per 1,500 sq. ft. of SlenderWall (typical)

Patented

H\textsubscript{2}Out\textsuperscript{TM} is the only pressure-equalized, street-level, sealant joint leak detection system. If the outer sealant joint ever fails, leaks exit to the outside of the building and can be located within 20 feet of the failure.
Benefit: No water intrusion - guaranteed!

Lift-and-Release\textsuperscript{TM} is the only panel-laying system that makes the installation process faster and easier.
Benefit: Increases panel installation rates by 50%
28 lbs. per sq. ft. architectural precast exterior cladding panels designed for superior cost savings & flexibility.

- A cost-effective, efficient and versatile choice for new construction, recladding or overcladding projects.
- Panels are only 28 lbs. per square foot, including the integrated heavy-gauge galvanized steel stud perimeter framing.
- Allows reduced structural steel and foundation requirements compared to conventional heavy architectural precast and brick.
- Reduces on-site trades.
- Reduces installation time up to 50%.
- Increases leasable floor space income by mounting panels outboard of floor slab.
- Reduces construction costs because smaller cranes can be used during installation.
- Reduces on-site weather related costs and delays as well as on-site construction debris.
- Allows more panels per truck load which reduces shipping costs by 60%.

**SlenderWall**

**Comparative Weight per Square Foot**

<table>
<thead>
<tr>
<th>SlenderWall</th>
<th>Brick</th>
<th>Heavy Precast</th>
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<tbody>
<tr>
<td>28 lbs.</td>
<td>44 lbs.</td>
<td>75 lbs.</td>
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“**What attracted us to this product is the 2” thick precast concrete in an economical panelized format with steel-stud backup. This significantly reduced the cost of the structural frame and foundation required to support this much lighter system. Currently we are on our fifth project using SlenderWall.”**

Edward N. Rothe, FAIA
Rothe-Johnson-Fantacone

Provides “One Call” building envelope responsibility:
cladding panels with continuous insulation, windows & sealant.

- “No moisture intrusion” guaranteed.
- 226 mph wind-load tested.
- H2Out™ advanced sealant system.
- Factory-installed windows.
- Factory-applied continuous closed-cell foam insulation. Energy code compliant.
- Precast concrete mix contains integral water repellent.

**Design with the freedom to create a lasting impression.**

- SlenderWall 28 lbs. per sq. ft. precast concrete cladding panels offer true flexibility for architectural design, and project cost savings that can be applied to enhance other building features.
- The combination of precast concrete and G90 heavy-gauge galvanized steel studs create a permanence that will stand the test of time.
- Design custom shapes & sizes, radii, bull noses, reveals and returns are manufactured to tight tolerances in climate-controlled plants.
- Available in a variety of colors, textures and “Class A” finish combinations.
- Designed for curtain wall or load-bearing applications.
- Major cost savings on cantilevered designs.

“I started the trend of using SlenderWall on high rise buildings in New York City. I think that the SlenderWall system will be used on many buildings here in the future.”

H. Thomas O’Hara
Architect, PLLC

**Hilton Garden Inn**
Montreal, Canada

Architect: Geiger & Huot  Precaster: BPDL

**Hilton Garden Inn**
Montreal, Canada

Architect: Geiger & Huot  Precaster: BPDL

**New Jersey Institute of Technology**
 Newark, NJ

Left: New construction
Right: Recladding

Architect: Ronald Schmidt & Associates  Precaster: Smith-Midland

**BioInnovation Center**
New Orleans, LA

Architect: Eskew+Dumez+Ripple and NBBJ  Precaster: Jackson Precast

**US Army Legal Service**
Fort Belvoir, VA

Architect: Perkins & Will  Precaster: Smith-Midland

33,338 square feet installed in just 14 days!
**NEW! ULTRA HI-PERFORMANCE**

**SLENDERWALL®**

An exterior cladding system that eliminates wall failures.

- Uses **time-tested, proven** components.
- Provides the **permanence** of architectural precast concrete containing molecularly-bound high-tech fiber reinforcement. It will not dent, rust, burn, warp or delaminate.
- Accommodates inter-story drift.
- Eliminates corrosion by utilizing corrosion-proof and rust-proof materials.
- Accommodates blast resistance designs.
- Supports sustainability design requirements.

**Finishes**

Choose from a wide variety of **standard and custom colors** and **concrete finishes** for the 2-inch thick exterior precast concrete surface. Individual panels can contain architectural details and **multiple finishes**.

A sampling of the wide variety of available finishes. Contact your local producer to obtain product samples.

- Second Nature™ (Architectural Precast Concrete Brick)
- Capitol Granite
- Colorado Granite
- Desert Limestone
- Thin Brick Inserts
- Sandstone
- Indiana Limestone
- Buff Limestone

*Second Nature™ is the only architectural precast concrete brick reproduction approved by historical societies and architects for use on high profile architectural projects.
Testing

All tests were performed by certified independent testing laboratories using nationally recognized standards and methods. Detailed reports are available upon request.

Earthquake, hurricane and tornado level testing establishes SlenderWall® as the system of choice for severe conditions.

- Air Infiltration..........................ASTM E283
- Static Pressure Water Resistance.....ASTM E331
- Dynamic Pressure Water Resistance...AAMA 501.1
- Structural Performance..................ASTM E330
- Seismic Movement (Interstory).......AAMA 501.4
- Thermal Cycle............................AAMA 501.5
- Thermal Transmittance.................AAMA 1503
- Thermal Performance.....................ASTM C1363
- Sound Transmission.....................ASTM E90
- In-situ Water Test.........................AAMA 503.03
- Fire Resistance Rating....................ASTM E119

Additional Ratings:
- Wind Load Test: 226MPH, 130PSF
- Florida Hurricane Code: NOA #09101.05
- Blast Resistant Design

AFFILIATIONS

Manufactured Locally By:

SMITH-MIDLAND®
EXCELLENCE IN PRECAST CONCRETE

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