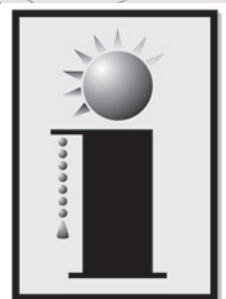
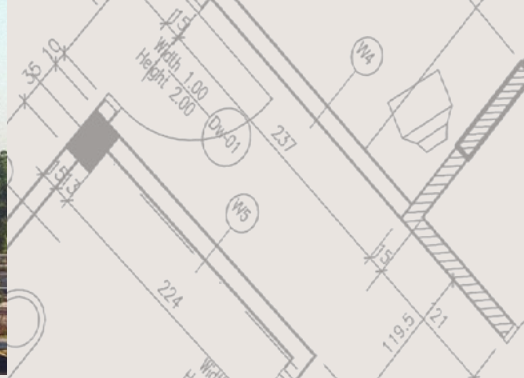


THE VERSATILE BRICK IN-LAY SYSTEM FOR HIGH PERFORMANCE TILT WALL CONSTRUCTION



INNOVATIVE
BRICK SYSTEMS, LLC.

WWW.MBRICK.COM

TILT-UP

THE VERSATILE BRICK IN-LAY SYSTEM[®]

> INDUSTRY LEADERSHIP

Innovative Brick Systems is the largest supplier of embedded brick systems and formliners in the industry. Our experience and expertise has enhanced the quality and appearance of Tilt-Up projects across the Nation.

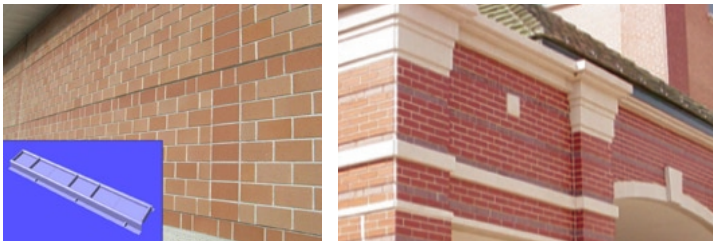
...❖ Experience + Expertise = Trust

> PERFORMANCE & VERSATILITY

The VersaLiner® is a patented form liner for managing the embedment of thin brick as it is cast into tilt-up and vertical-cast concrete wall panels.

The VersaLiner® system:

- Provides a seamless covered joint—the closest look to laid-up masonry available.
- Is the most efficient method for casting a wide variety of panels, saving valuable labor and production time.
- Offers the greatest variety of bond patterns and offset-accent designs available.
- Arches, corbels, recessed coursing, basketweave, Flemish bonds, and more.



Unlimited design options include recessed coursing, arches and custom transitions.

> LEADING IN BRICK SELECTION

The VersaLiner® is “out of the box” compatible with these four leading thin brick manufacturers committed to the tilt-up and tilt-up industries, giving the designer virtually thousands of brick color, shade, range, size, and texture options to work with.



Additional thin brick manufacturers are compatible as well.



> BUILDING TOTAL VALUE WITH THIN BRICK

For the Owner: Possession of more than just a beautiful brick building. Owners enjoy an attractive and maintenance-free brick cladding with a greater leasable footprint.

For the Architect: No masonry design limitations. The VersaLiner® can create virtually any masonry design detail, and the extent of brick colors and textures to choose from is unbeatable.

For the Contractor: Efficiency, and quality to be proud of. The VersaLiner® is flat-out the fastest overall method to embed thin brick and architectural elements for Tilt-Up Contractors.

- No need to adjust rail height to accommodate the liner.
- No need to clean and store bulky rubber liners after use.

- Expert design assistance provided with all projects.
- Estimating and brick-detailing assistance is part of the package at Innovative Brick Systems.
- Our in-house designers support Tilt-Up clients from pre-planning to completion on every job.



>THE HIGH PERFORMANCE WALL PANEL: EMBEDDED THIN BRICK VS. CONVENTIONAL MASONRY

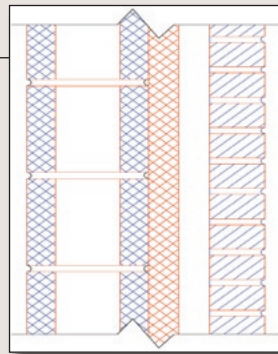
Embedded thin brick is rapidly gaining popularity as a long-lasting, durable, sustainable and beautiful finish for brick-clad buildings across North America.

- **No Masonry Job-site Issues**—No scaffolding, reduced on-site labor, no sand piles, no weather delays, and reduced site safety risks.
- **More Efficient Engineering**—No lintels, ledges, weep cavities, or flashing needed.
- **Faster Job Enclosure Time**—Saves money and gets occupants in sooner by casting thin brick into concrete walls.
- **No Moisture Penetration**—Freeze thaw does not affect the brick veneer as the brick is integral to the concrete wall.
- **No Efflorescence or Long Term Maintenance**—With mortar at 5,000 psi there is no need for tuck-pointing later in life.

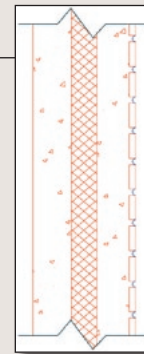
Bottom Line: Accelerated construction schedule with minimal long-term maintenance.

>COMPARE WALL SECTIONS A VALUE DIFFERENCE

An 8" composite wall system on a building with a footprint of 300' x 150' realizes approximately 600 more usable square footage per floor than a conventional 16" wall system. For commercial buildings with a lease rate of \$19 per square foot, that is **an additional \$11,400 per year per floor.**



Conventional Masonry
16" Thick Insulated Wall



Embedded Thin Brick
8" Thick Insulated Wall

>THE GREEN ADVANTAGE YOUR ENVIRONMENTALLY SOUND CHOICE

Thin brick utilizes approximately 20% of the natural resource energy and materials of full face brick per square foot of surface material.

- Less raw material extracted and a fraction of the natural gas for kiln curing, resulting in a reduction of embodied energy.
- Reduced site disturbance due to thin-brick being cast into wall prior to Tilt Up.
- Lower emissions in transportation-takes one truck load of thin brick to cover the same square footage as 6 trucks of full faced brick.
- One square foot of thin brick is approximately 6 lbs. versus 35 lbs. for face brick
- The VersaLiner® contains post-industrial recycled material
- Liners are made from recyclable Polystyrene material, allowing users ease of recycling.

>KNOWN BY THE COMPANY WE KEEP

Innovative Brick Systems is proud to actively participate in these and other leading industry organizations:



THE VERSALINER SYSTEM®

> EASY INSTALLATION OF LINER AND BRICK

This is a brief overview of typical installation steps. For complete installation instructions, refer to the VersaLiner® Design and Installation Guide.

1



Begin trimming and laying out the VersaLiner® sheets according to the shop drawings. Lock the sheets together taking advantage of the exclusive EdgeLock™ perimeter connection feature.

2



Nest the thin bricks face down in the liner. It is easy to view and modify any required brick blending patterns on the panel as the individual brick shades match front to back.

3



Place the reinforcement and concrete, using any of a variety of vibration methods. Conventional and SCC concrete work fine for embedded brick panels.

4



Once lifted, peel off the VersaLiner® sheets and pressure wash the face to remove concrete slurry and any retarder.

5



Step back and admire your work!

FOR ADDITIONAL INFORMATION, INCLUDING PHOTOS OF OUR WORK, TECHNICAL DETAILS, INSTALLATION AND DESIGN GUIDES, AND SPECIFICATIONS, PLEASE VISIT WWW.MBRICK.COM