



# Permacrete Precast Wall Systems

CERTIFIED  
INSTALLATION  
PARTNER



[www.americanwall.com](http://www.americanwall.com)

# Resilient, Low-Maintenance, and Cost-Effective Precast Walls

Precast concrete walls are a great option for projects that call for versatility and durability. Whether you're looking to achieve a wood, brick, stone or block aesthetic, professionally installed precast concrete walls are long-lasting, easy to install and cost-effective.

## Durability and Flexibility in Design

American Wall Systems provides a range of precast concrete wall systems. These wall systems provide a choice of customized finishes and colors. Our expert installations ensure their structural integrity and durability.

<p><b>StoneCast Wall System</b></p> <p>StoneCast precast concrete walls provide the timeless beauty of natural stone with enhanced durability and installation efficiency.</p>	<p><b>BlockCast Wall System</b></p> <p>BlockCast precast concrete walls deliver the bold, structural look of traditional masonry block with the advantages of precast technology - strength, speed, and consistency.</p>
<p><b>WoodCast Wall &amp; Rail System</b></p> <p>WoodCast precast concrete wall panels replicate the authentic appearance of natural wood while providing the durability and longevity of engineered concrete.</p>	<p><b>BrickCast Wall System</b></p> <p>BrickCast precast concrete walls deliver the classic appearance of traditional masonry with high durability and reduced maintenance.</p>

## Expert Installation for Lasting Value

With over 20 years of experience serving land developers, architects, engineers, homeowners' associations, municipal boards, city and county public parks and recreation departments across the Greater Houston area, our precast wall installation teams deliver exceptional results and attention to detail without the need for heavy construction.

Whether you need residential perimeter walls, or screening and security for utility and public works substations, our experienced installation specialists have the technical expertise to execute your vision with precision. We offer four distinctive Permacrete product lines – StoneCast, BlockCast, WoodCast, and BrickCast- each providing a range of textures and colors while delivering the exceptional performance of engineered precast concrete.

# Product Manufacturing Details

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## Quality Control & Assurance

### » Material Testing:

- » Every batch undergoes compressive strength testing to ensure it meets or exceeds design specifications
- » Aggregate gradation and moisture content are checked daily for consistency

### » Admixture Verification:

- » Dosages are monitored with calibrated equipment to guarantee uniform workability and finish quality
- » Flow/slump tests performed on each pour to maintain standardized performance across Duracrete and Permacrete lines

### » Reinforcement Inspection:

- » Mesh and rebar cages are verified for spacing, alignment, and secure placement before casting
- » Randomized pull-tests confirm bond strength between reinforcement and concrete

### » Curing & Finish Monitoring:

- » Controlled curing environments ensure panels achieve target strength and minimize shrinkage
- » Surface finish inspections catch bugholes, color inconsistencies, or texture defects before panels leave the yard.

### » Dimensional Accuracy:

- » Panels are measured against design tolerances ( $\pm 1/8$  in typical) to guarantee fit during installation
- » Edge straightness and corner squareness are verified with precision tools

### » Documentation & Traceability:

- » Each panel is tagged with batch data, curing records, and inspection logs for full traceability
- » Digital records maintained for compliance with ASTM and local building codes

## Shared Manufacturing Standards

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**Batch Consistency:** Standardized mix designs across all production runs

**Customization:** Color palettes, textures, and pattern options available for design flexibility

**Local Sourcing:** Aggregates and admixtures procured from trusted Houston Land distributors for reliability and efficiency

# Permacrete StoneCast Series

## Ledgestone StoneCast

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Ledgestone StoneCast captures the rugged elegance of hand-stacked ledgestone, with each panel showcasing a dynamic mix of narrow, elongated stones arranged in a tightly layered formation. The surface is rich with texture—sharp edges, subtle reliefs, and tonal shifts that mirror the complexity of natural stonework. Each stone appears individually placed, creating a refined yet organic rhythm across the panel.

This design is ideal for feature walls, architectural facades, or landscape borders that demand both visual impact and timeless character. Its linear composition lends itself to both traditional and contemporary settings, offering versatility without sacrificing authenticity.

As with every Permacrete product, Spec Ledgestone is engineered to perform—resisting weather, wear, and time while delivering the handcrafted look of real stone. It's strength you can trust, beauty you can build on.



## Ashlar StoneCast

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This panel showcases the refined geometry of traditional ashlar masonry, with stones arranged in a balanced, interlocking pattern. Each stone is cast with crisp edges and subtle surface textures, reflecting the craftsmanship of hand-cut stonework. The varied dimensions and muted earth tones lend depth and sophistication to the design.

Ashlar StoneCast transitions effortlessly from exterior walls to interior accents, offering a cohesive design language across spaces.

Backed by Permacrete's commitment to quality, Ashlar StoneCast offers timeless elegance with the strength to stand up to wind, wear, and time.

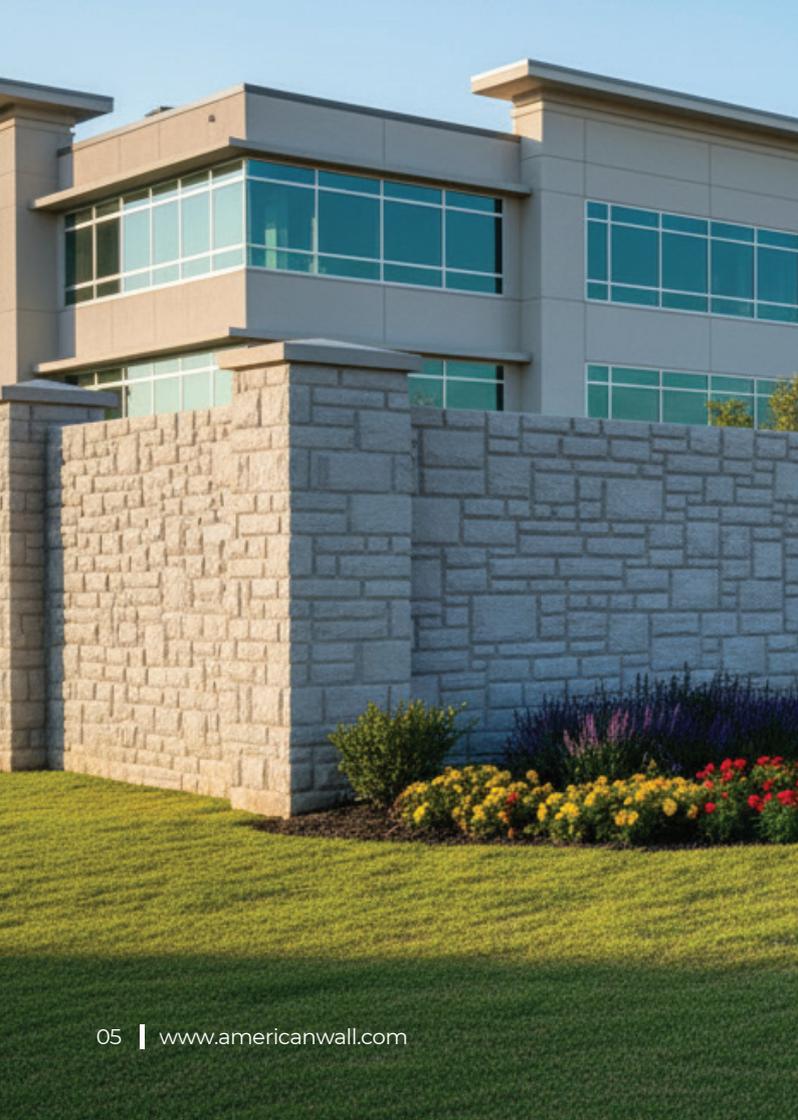
## Ashlar Dry StoneCast

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Blending the structured appeal of ashlar with the organic feel of dry stack construction, this wall offers a unique hybrid aesthetic. Stones are arranged with minimal mortar lines, emphasizing their raw edges and natural variation. The surface captures the tactile richness of quarried stone, from subtle indentations to tonal shifts.

Ashlar Dry StoneCast is ideal for transitional spaces that balance formality with warmth.

It's a prime example of Permacrete's philosophy: authentic design, engineered resilience, and unmatched longevity.



## Tallahassee Ashlar StoneCast

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Inspired by Southern architectural traditions, the Tallahassee Ashlar StoneCast features a stately arrangement of stones in varied sizes and textures. The wall's surface is rich with detail—each stone molded to reflect the nuanced character of aged masonry.

This pattern evokes heritage and storytelling, making it ideal for civic spaces or entryways that honor tradition.

With Permacrete's proven durability and precision, Tallahassee Ashlar stands as a legacy piece—built to inspire and built to endure.

## Kona Rock StoneCast

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Inspired by volcanic terrain and rugged cliff faces, Kona Rock StoneCast captures the raw beauty of nature's most elemental forms. Each wall features bold, fractured textures and deep reliefs that evoke the drama of lava rock and weathered stone.

Perfect for bold architectural statements or landscape features that demand presence.

Kona Rock embodies PermaCrete's strength-first approach: visually powerful, structurally sound, and ready for anything nature throws its way.



# Permacrete WoodCast Series

## Barn WoodCast

Barn WoodCast channels the rustic charm of aged timber, with horizontal planks that showcase deep grain patterns, knots, and weathered imperfections.

Ideal for perimeter walls that seek a nostalgic yet refined aesthetic.

Permacrete's Barn WoodCast delivers the warmth of wood with the durability of concrete—no rot, no warping, just lasting beauty.



## CedarPlank WoodCast

CedarPlank WoodCast replicates the clean elegance of freshly milled cedar, with vertical grain lines and subtle tonal shifts.

Perfect for perimeter walls that require a polished, organic look.

CedarPlank reflects Permacrete's promise: natural aesthetics, engineered strength, and performance that outlasts the seasons.

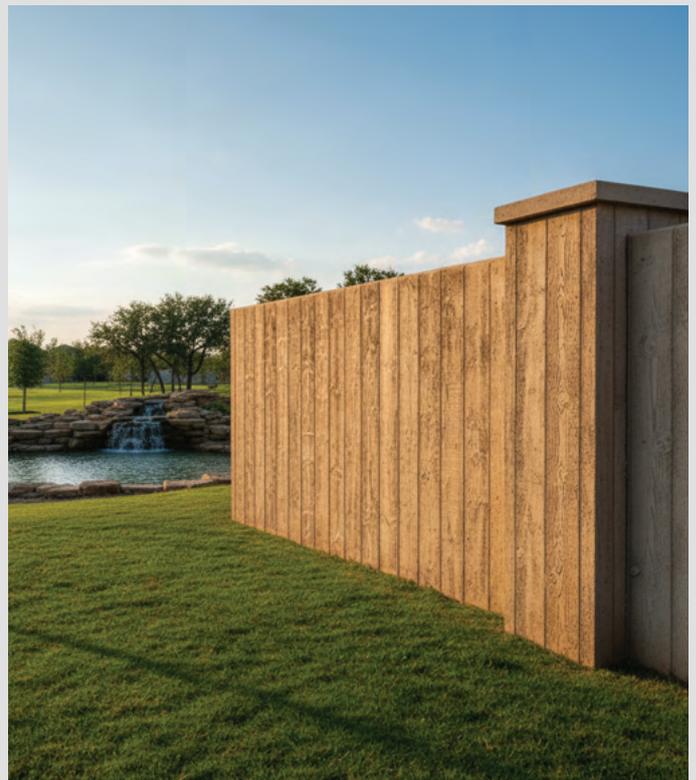
## Board WoodCast

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Board WoodCast offers a minimalist take on wood-inspired design, featuring wide vertical panels with clean grain impressions.

Ideal for sleek fencing or transitional indoor-outdoor applications.

With Permacrete's advanced precast technology, Board WoodCast delivers modern simplicity with unmatched structural integrity.



# Permacrete BlockCast Series

## CMU BlockCast

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CMU BlockCast replicates the clean geometry and industrial strength of traditional concrete masonry units.

Designed for commercial, institutional, or modern residential applications.

Permacrete's CMU BlockCast is built for high-performance environments—strong, consistent, and ready to stand the test of time.



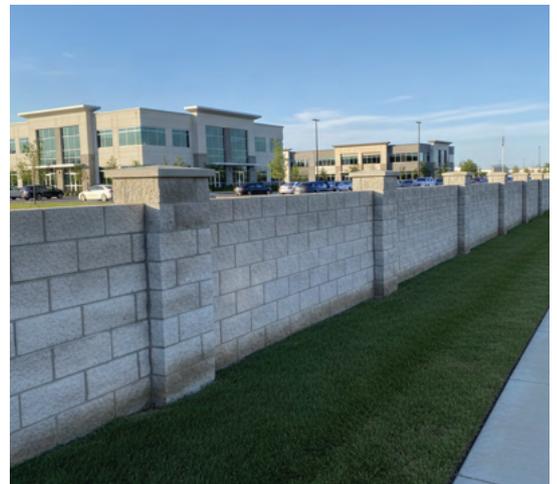
## Split Face BlockCast

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Split Face BlockCast brings texture and depth to standard block design, with rugged, fractured surfaces that mimic hand-split stone.

Ideal for commercial, institutional, or modern residential applications.

It's the perfect fusion of raw texture and engineered toughness—hallmarks of the Permacrete brand.



## Slump BlockCast

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Slump BlockCast captures the soft, sagging contours of traditional slump block masonry, with gentle undulations and subtle imperfections.

Perfect for architectural styles that embrace warmth and informality.

Slump BlockCast proves that softness and strength can coexist—especially when backed by PermaCrete's unwavering quality standards.



# Permacrete BrickCast Series

## Smooth BrickCast

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Smooth BrickCast delivers a refined take on classic brickwork, with uniform surfaces and clean mortar lines.

Ideal for contemporary builds or minimalist landscapes.

Smooth BrickCast is a testament to Permacrete's design philosophy: timeless materials, modern execution, and built-in resilience.



## Vertical BrickCast

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Vertical BrickCast features vertically oriented bricks that create a bold, architectural rhythm.

Perfect for feature walls or modern fencing.

It's a fresh take on tradition—made possible by PermaCrete's precision molding and commitment to structural excellence.



# Custom Pattern Process

## One-of-a-Kind Projects Deserve One-of-a-Kind Solutions

Bring your vision to life—without the hassle. At Permacrete, we make it easy for architects, designers, and builders to create custom wall patterns that reflect their unique style and project needs. Whether you're replicating a historic texture or inventing something entirely new, our process is built for clarity, speed, and craftsmanship.

### Submit Your Concept

Send us your sketches, drawings, or reference photos of the desired pattern. Whether it's a hand-drawn idea or a fully rendered design, we'll take it from there.

### Shop Drawing Development

Our design team will create a detailed shop drawing based on your concept. You'll receive this for review and approval, ensuring every detail aligns with your custom pattern vision.

### Tooling Setup & Approval

Once the drawing is approved, we begin tooling and crafting the master mold that will shape your wall. You'll have a chance to review and approve the tooling before we proceed.

### Wall Production

With tooling finalized, we produce your custom pattern walls, ready for installation in your project. Durable, precise, and built to perform, just like every Permacrete product.



## Let's Talk About Your Project

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Ready to enhance your project with professionally installed precast concrete walls that deliver security, durability, and lasting value?

Contact American Wall Systems to discuss Permacrete walls as an option for your project.

## Contact Us

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