

CastWorks™

Architectural Forms



Armstrong®
World Industries



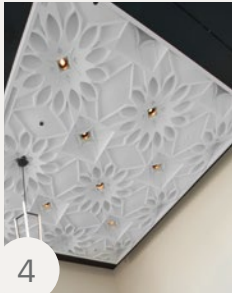
CastWorks™ Architectural Forms

From unexpected architectural details to more practical utilizations, CastWorks™ architectural forms offer a broad range of applications and materials to address design needs.

CastWorks products are available for interior and exterior use, and they're lightweight, yet strong, durable, and easy to install.



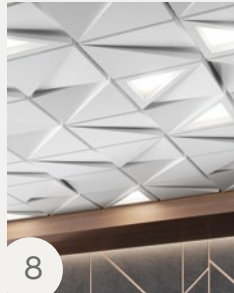
APPLICATIONS FOR EVERY SPACE



4

Walls, Ceilings, Column Covers, Moldings, Ornamental Details

INTERIOR APPLICATIONS



8

GRG/GFRG (Glass Fiber Reinforced Gypsum)

INTERIOR APPLICATIONS



16

IMS (Interior Molded Stone Composite)

INTERIOR/EXTERIOR APPLICATIONS



20

GFRC (Glass Fiber Reinforced Concrete)

INTERIOR/EXTERIOR APPLICATIONS



24

FRP (Glass Fiber Reinforced Polyester Resin)

CastWorks GRG Ceiling Panels & light coves; Denver International Airport; Gensler

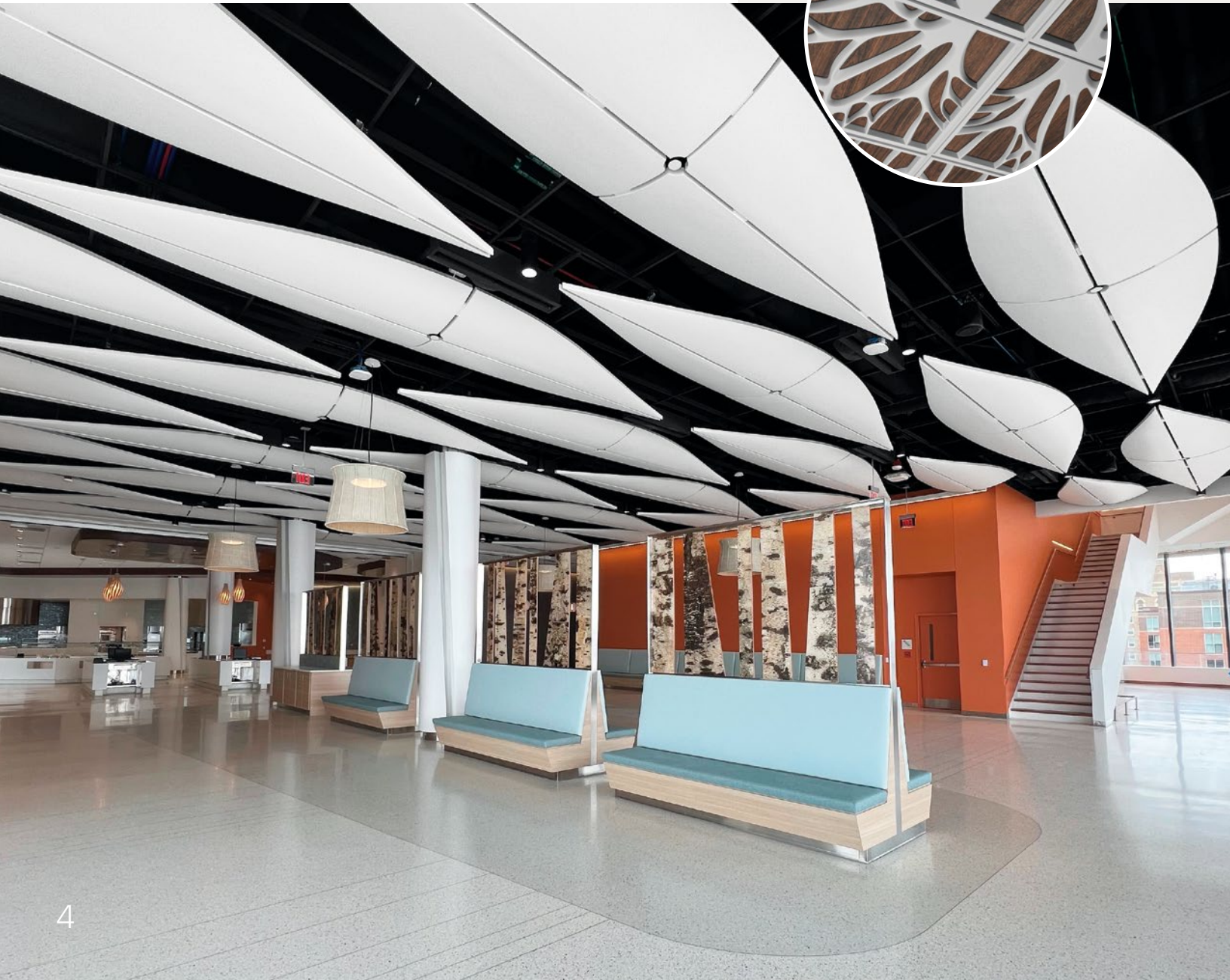


wall panels · ceiling panels · column covers · partitions · coffers ·
cornices · trim · pediments · finials · beams · cupolas · domes · perforated
panels · vaults · access panels · light coves

Your Ideas Take Shape for Walls & Ceilings

CastWorks™ architectural forms mold your ideas into reality. Custom patterns can be developed to create one show-stopping feature or hundreds of identical architectural components for your space.

GRG custom ceiling panels and column covers;
Healthcare Clinic Cafeteria, Duluth, MN





GRG custom wall panels; Armstrong World Industries Lobby, Lancaster, PA



Ceilings

Let your imagination run wild and add elements that inspire awe.

The versatility of CastWorks™ materials help you create works of art such as curved light coves, vaulted ceilings, domes, patterned or coffered ceilings, decorative beams, beautiful historical restoration or replication, and other custom ceiling applications.

Walls

Forgo the everyday and give your space a custom focal point with dramatic dimension and detail using custom cast wall panels, niches, and pediments. Make it functional, too, with perforated wall panels which can be an aesthetic and sound-absorptive solution.

GRG column covers, moldings,
and ornamental details;
St. James Building,
Jacksonville, FL;
Saxelbye, Powell,
Roberts & Ponder, Inc.

Column Covers

Impress with CastWorks™ column covers that add beauty to your structural columns. Materials can be customized to most shapes, sizes, or finishes to give your columns just the right look to fit the architectural style of the space. Standard column covers offered include cylindrical, recessed, octagonal, conical, elliptical, Greek Doric, Tuscan, square, and fluted, plus capitals and bases.



Moldings

CastWorks moldings can be curved or straight, are lightweight, durable, and perfect for interior and exterior applications. Consider products such as cornices, trims, and light coves as the perfect finishing touch. Moldings offer endless options that elevate your overall design by seamlessly blending into your ceiling and walls, or providing unexpected contrast.



Ornamental Details

CastWorks materials can be used for endless types of ornamental details. Whether replicating original gargoyles or adding the perfect cupola, the adaptability of CastWorks architectural forms make it possible. Create delicate adornments including corbels, brackets, and finials, or magnificent domes and soaring steeples.



See more information, renderings, and drawings at
armstrongceilings.com/castworks





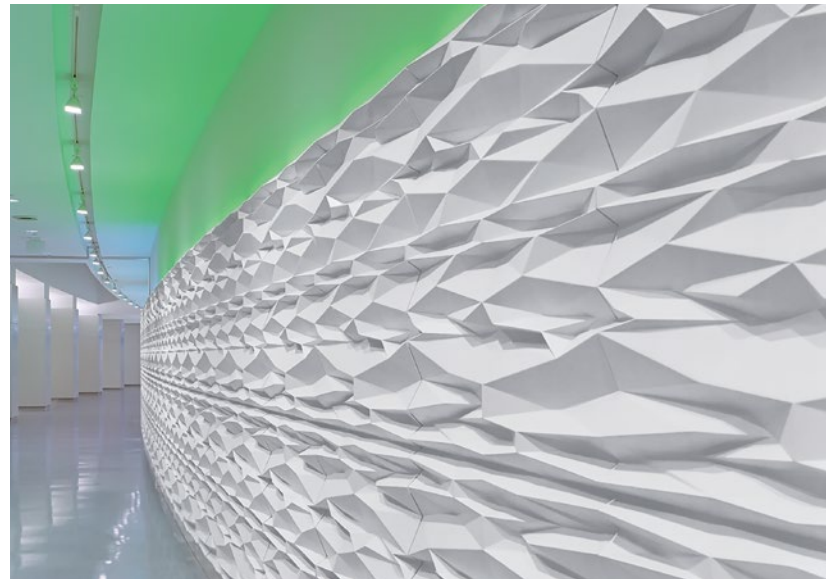




CastWorks
Metaphors
ceiling panels in
Tectonic design
with integrated
lighting from
Omnify™

GRG Add Another Dimension

Give your one-of-a-kind space a dimension like never before. Glass Fiber Reinforced Gypsum (GRG) is a sustainable, lightweight interior material that can be made into just about any shape imaginable. It's especially suitable for CastWorks™ Metaphors® ceiling panels, wall panels, coffers, column covers, domes, light coves, vaults, access panels, and moldings.



GRG Custom Wall Panels; US Census Bureau



CastWorks™ GRG products are part of the Sustain® portfolio, and meet the most stringent industry sustainability compliance standards today.



GRG custom wall panels; Experimental Media and Performing Arts Center, Troy, NY; Grimshaw Architects and Davis Brody Bond

GRG Double-Duty Performance

When sound control is a necessity, CastWorks™ custom-sized and custom-shaped panels bring aesthetics and acoustics to your design. Reflect and diffuse sound or absorb it using a combination of perforated CastWorks panels and FeltWorks® acoustical panels.



- Weighs only 2-3 lbs. per square foot
- Easy to install
- Low maintenance
- Perforated GRG panels that are at least 21% open achieve NRC of 0.65 when installed with FeltWorks acoustical panels
- Sets fast; can reduce construction schedules
- Durable
- Interior use

GRG randomly perforated wall panels
The Cooper Union, New York, NY; Morphosis

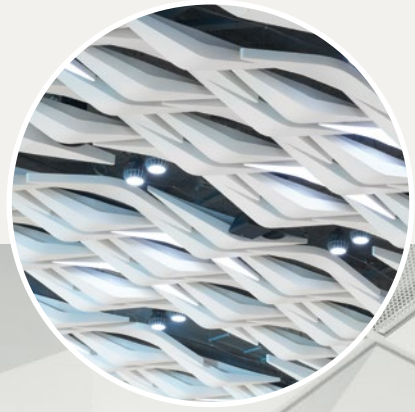


GRG High Design

The sky's the limit when it comes to applying texture and color with nearly limitless shape options.

- Cast into any shape or compound curve
- Replicate the look of natural materials at a lower cost
- Use for daylighting or to conceal lighting elements
- Can be field painted to achieve any desired color or texture

CastWorks™ Metaphors® Ceiling Panels in Pinnacle design with integrated lighting from USAI® Teele Hall Bistro, Boston, MA; MDS Architects





GRG custom ceiling application; Loews Hotel, Chicago, IL;
Simone Deary Design Group





GRG coffers and cornices; The Rockwell Building, Cleveland, OH; Sandvick Architects and Vocon

GRG Making the Old New Again

When it comes to restoration and renovation, CastWorks™ GRG can easily replicate existing ceiling coffers and other architectural elements. With the ability to coordinate custom colors, the finished look will be seamless.



GRG coffers and cornices; The Rockwell Building, Cleveland, OH; Sandvick Architects and Vocon



Interior Molded
Stone column
covers; La Reina,
The Villages, FL;
Christoff Krietemeyer
& Associates

Interior Molded Stone Stand Firm

Recreate the look of natural stone with CastWorks™ Interior Molded Stone composite. Ideal for column covers and cornices, trims and pediments, surrounds and signage, plus many other options.

Interior Molded Stone wall panels; Kaleida Health,
Buffalo, NY; Cannon Design







Interior Molded Stone column covers; Oglethorpe Mall, Savannah, GA;
Thompson, Ventulett, Stainback & Associates



Interior Molded Stone Creative Resilience

With unmatched flexibility, CastWorks™ Interior Molded Stone offers unlimited possibilities for interior castings, large or small, to complement your design.

- Cast into any shape or compound curve
- Weighs only 2-5 lbs. per square foot
- Durable
- Offers unlimited design possibilities
- 12 standard colors and custom colors available
- Interior use

Interior Molded Stone cladding, headers, base, and door surround; Royal Pacific Resort, Orlando, FL; Fugleberg Koch Architects







GFRC and GRG column covers, cornices, and various castings; UVA McIntire School of Commerce, Charlottesville, VA; Hartman-Cox Associates

GFRC Leading Attraction

Glass Fiber Reinforced Concrete (GFRC) is lightweight and ideal for architectural details – from friezes and finials to pediments and rainscreens. Typically an exterior product, GFRC can be used for interior applications, too.

GFRC column covers and cornices, and FRP signage and scrolls; Star Theatres, Various U.S. locations; FTC&H

GFRC Higher Standards

CastWorks™ GFRC is durable and low maintenance, ensuring your building's facade will continue to impress over time.

GFRC column covers and pilaster; Clay County Courthouse, Green Cove Springs, FL; Spillis Candela and Smith-McCrary Architects, Inc.

- Cast into any shape or compound curve
- Weighs only 6-8 lbs. per square foot (castings may vary)
- Low maintenance
- 14 standard colors, paint-grade finish, and custom colors available
- Engineered to reduce installation time and cost
- Exterior and interior use





GFRC rainscreen panels; The Cooper Union,
New York, NY; Morphosis



FRP themed column covers; St. Helena Elementary School, Beaufort, SC; Goforth Brown & Associates

FRP Lasting Landmarks

Glass Fiber Reinforced Polyester Resin (FRP) will withstand the test of time. FRP is perfect for traditional multi-tiered cornices, column covers, and cupolas in one lift/part. Ideal for applications in high traffic areas such as shopping centers, convention centers, churches, and airports.

- Cast into any shape or compound curve
- Weighs only 2-3 lbs. per square foot
- Exterior and interior use
- Easy to install
- Low maintenance; retains shape and beauty
- Versatile finishes, colors, and textures

FRP custom panels; 847 West Jackson, Chicago, IL; Wiss, Janney, Elstner Associates, Inc.





CastWorks™ Metaphors®
Ceiling Panels in Pinnacle
design with integrated
lighting from USAI® and
custom GRG wall panels



Custom Colors
Available

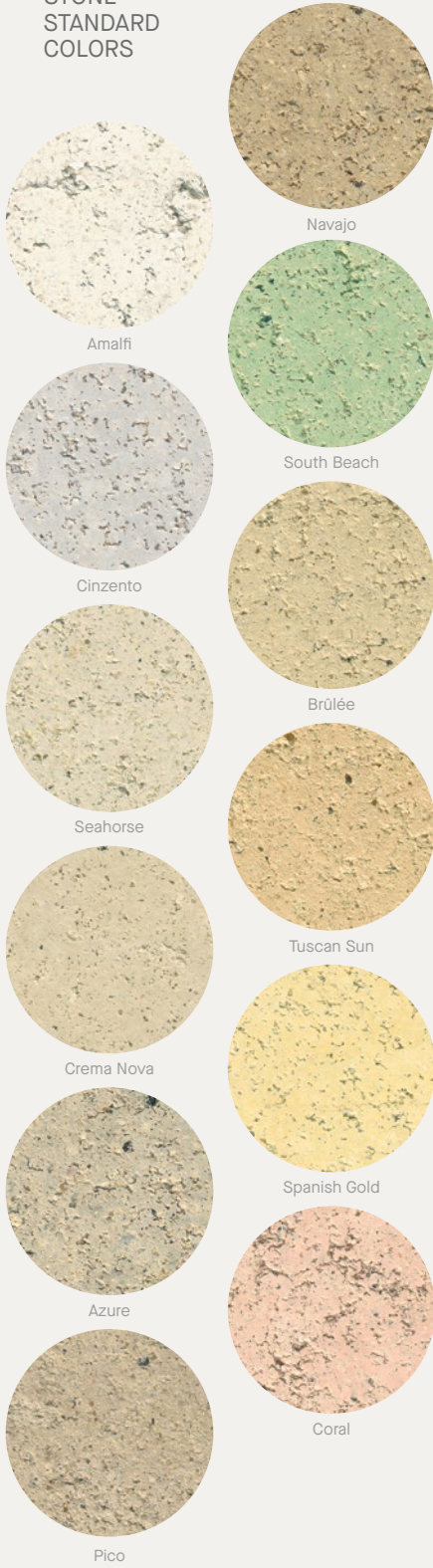


GRG Paint Grade
Unfinished for Field Painting

Perfect Finish

CastWorks™ GRG can be coated to achieve any desired custom color and texture. Interior Molded Stone and GFRC products come in standard colors (shown at right) and custom colors. Interior Molded Stone castings are sealed with a clear satin for a durable finish. FRP castings can be painted in any color or coordinated to your desired custom color.

INTERIOR MOLDED
STONE
STANDARD
COLORS



GFRC
STANDARD
COLORS



Due to printing limitations, shade may vary from actual product.

Take the Next Step



877 276-7876

Customer Service Representatives
7:45 a.m. to 5:00 p.m. EST
Monday through Friday

TechLine – Technical information, detail drawings,
CAD design assistance, installation information,
other technical services – 8:00 a.m. to 5:30 p.m. EST,
Monday through Friday. FAX 1 800 572 8324
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On the cover: CastWorks™ GRG; Lanier Theological Library
Conference Center, Houston, TX; Arte Architecture

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