

Plasterform is committed to ensuring that our products meet international green building standards. To that end we support Leadership in Energy and Environmental Design (LEED); an internationally recognized green building rating system and certification program that evaluates a building's environmental performance.

LEED awards projects with one of four certification levels: certified, silver, gold and platinum. Plasterform's products can help projects achieve credits under the following categories:

#### **LEED Credit 5 Regional Materials**

This LEED credit promotes the use of regionally harvested or manufactured products to support the regional economy and reduce the environmental impact of transportation. Plasterform's manufacturing facility is located in Mississauga, Ontario, Canada. Contact Plasterform to determine if your project qualifies for this credit.



#### **MATERIALS AND RESOURCES**

##### **LEED Credit 2 Construction Waste Management**

Plasterform engineers products to minimize waste. Most of our projects are designed with prefab corners, and parts are supplied to suit field measurements and conditions that minimize job site cutting and thus, waste. Our products are crated using pallets and 2 x 4's that can be easily reused or recycled.

##### **LEED Credit 4 Recycled Content**

Plasterform uses new raw materials for standard castings. Post-industrial fillers can be introduced into the casting to achieve a custom matrix specific to your needs. Contact Plasterform for assistance in developing your specifications before your project tenders.

#### **INNOVATION IN DESIGN**

##### **LEED Credit 1 Innovation in Design**

This LEED credit provides a project with the opportunity to achieve points for exceptional performance above LEED standards by achieving measurable environmental performance not addressed in LEED. Plasterform's materials are significantly lighter than conventional building materials and therefore reduce the amount of structural steel required for construction. Our products also require little or no maintenance. Contact Plasterform to find out how our products can contribute to this LEED credit.

# GRG GRG

## WHAT IT IS

— Glass Fiber Reinforced Gypsum

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— Glass Fiber Reinforced Gypsum

What Is GRG What Is GRG What Is GRG What Is GRG



Glass Fiber Reinforced Gypsum (GRG) has been used as an architectural building material in North America since 1978. It's a composite consisting of alpha gypsum cement and water, reinforced with glass fibers – and is an ideal choice as an economical, lightweight and durable replacement for traditional plaster.

GRG is a 3/16" thick laminate that can be additionally reinforced with wood or steel. It is used for interiors and is typically installed by drywall, plastering and millwork contractors.

# GRG GRG

Benefits Benefits Benefits Benefits Benefits

## BENEFITS

— Glass Fiber Reinforced Gypsum —

**US Census Bureau Headquarters**  
Suitland MD

### **INCREDIBLE STRENGTH**

Abuse resistant, low maintenance.

### **FIRE RESISTANT**

Meets ASTM E84 requirements.

### **SAFE**

No odor, no emissions, non-toxic.

### **EXTREMELY VERSATILE**

Can be coated to achieve any desired color and texture.

### **PART CONSOLIDATION**

Can be used to create traditional multi-tiered moldings in one part.

## BENEFITS

— Glass Fiber Reinforced Gypsum —

— Glass Fiber Reinforced Gypsum —

### **LIGHTWEIGHT**

Only 2 - 3 lbs. per square foot.

### **SETS FAST**

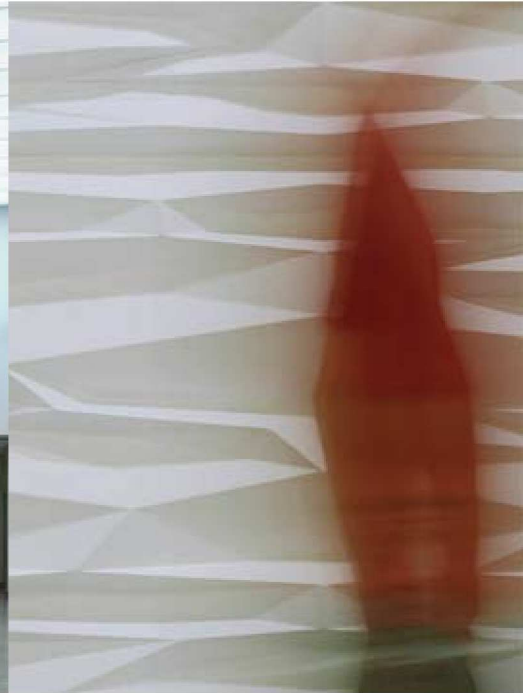
Can reduce construction schedules.

### **EASY TO INSTALL**

Can be installed using off-the-shelf framing, fasteners and joint treatment materials.

### **REDUCES COSTS**

When making repetitive parts, it is much less expensive than traditional building materials such as plaster, wood and stone.



# GRG GRG

USES

Glass Fiber Reinforced Gypsum

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The use of GRG is limited only by your imagination. It is especially suitable for interior castings such as:

- Coffers
- Columns
- Domes
- Light coves
- Vaults
- Moldings
- Wall panels

USES USES USES USES USES USES USES USES

Glass Fiber Reinforced Gypsum

Glass Fiber Reinforced Gypsum

**Reebok World Headquarters**  
Canton MA

# GRG GRG

## CAPABILITIES

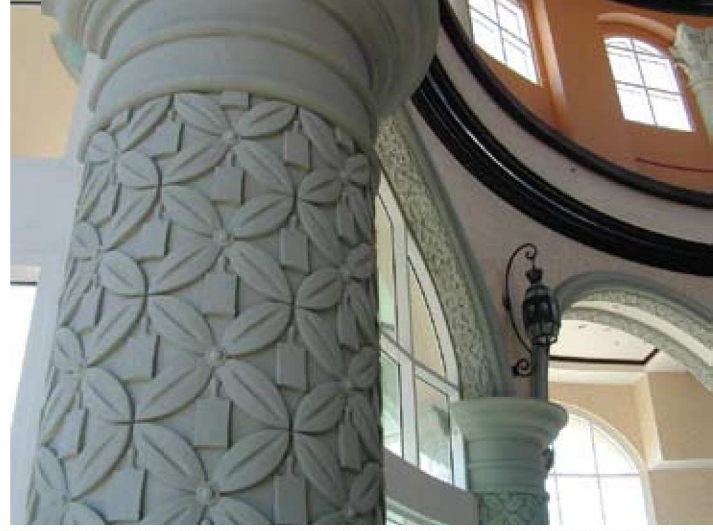
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Capabilities Capabilities Capabilities

— Glass Fiber Reinforced Gypsum —

— Glass Fiber Reinforced Gypsum —

— Glass Fiber Reinforced Gypsum —



**Gaylord Palms Hotel  
& Convention Center**  
Orlando FL

**Paul Barret Jr. Library  
at Rhodes College**  
Memphis TN

If you are looking for an economical and lightweight interior building material that can be made into just about any shape imaginable, GRG is for you. Plasterform's GRG can be cast into complex curves with extreme accuracy. It is not only used for decorative purposes, it's used for lighting and acoustic purposes too. GRG is commonly used to conceal lighting or reflect light. In acoustic applications, GRG can be used to reflect or absorb sound. Its standard thickness is 3/16", but can be customized to 1/2" or 3/4" to achieve a desired reverberation. When sound absorption is required, custom sized and shaped perforations can be introduced so sound can pass and be absorbed by other materials.

# GRG GRG

## FINISHES

— Glass Fiber Reinforced Gypsum —

## FINISHES FINISHES FINISHES FINISHES

— Glass Fiber Reinforced Gypsum — Glass Fiber Reinforced Gypsum



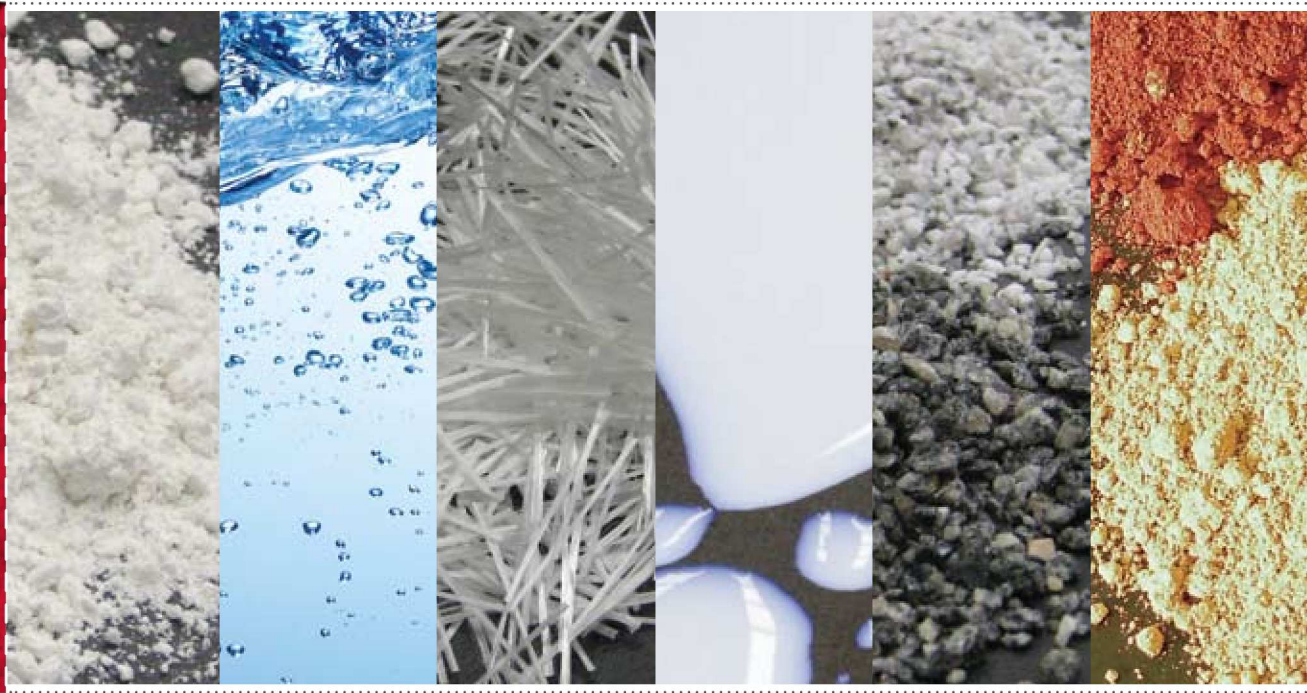
Paint Grade

GRG is typically smooth and requires field applied coatings to achieve the desired color and texture for optimum effect.

GRG accepts most latex, acrylic and alkyd paints, providing nearly limitless options for those important final touches.

# GFRC GFRC

What Is GFRC What Is GFRC What Is GFRC



## WHAT IT IS

Glass Fiber Reinforced Concrete

## WHAT IT IS WHAT IT IS

Glass Fiber Reinforced Concrete

Glass Fiber Reinforced Concrete (GFRC) has been used as an architectural building material in North America since the 1970's, though its use in Eastern Europe extends back to the 1940's. It is typically an exterior product, but can also be used for interior applications.

GFRC is a lightweight composite consisting of Portland cement, water, alkali resistant fibers, polymer, additives, sand, aggregate and pigment. Glass fibers reinforce the product, resulting in a much stronger material than normal concrete.

GFRC is a 1/2" thick laminate usually installed by drywall, EIFS, millwork or masonry contractors.



**LIGHTWEIGHT**

Only 6 - 8 lbs. per square foot.

**UNMATCHED STRENGTH**

Can reduce the amount of structural steel required, and is far lighter than precast concrete or cast stone.

**LOWER COST**

Much more cost-effective than many other traditional materials, particularly when casting repetitive parts.

**EASY INSTALLATION**

Can be engineered to reduce installation time and cost.

**FIRE RESISTANT**

Non-combustible and meets ASTM E84 requirements.



**Clay County Courthouse**  
Green Cove Springs FL

**DURABLE**

Will not rot; strong and abuse resistant.

**ODORLESS AND EMISSION-FREE**

Safe for indoor use.

**LOW MAINTENANCE**

Requires little maintenance to retain its aesthetic appeal.

**WEATHER RESISTANT**

Can withstand the elements over time, and is strong enough for use in earthquake and hurricane zones.

**FLEXIBLE**

Has unlimited design possibilities.

**12 STANDARD COLORS AVAILABLE**

With custom color matching also available.

# GFRC GFRC

USES

— Glass Fiber Reinforced Concrete

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— Glass Fiber Reinforced Concrete



University of Michigan North Quad Residence  
Ann Arbor MI

GFRC is lightweight enough to reduce the amount of structural steel required for a building and strong enough to be used in hurricane and earthquake zones. It is ideal for:

- Columns
- Cornices
- Friezes
- Wall panels
- Domes
- Finials
- Pediments
- Balustrades
- Rainscreens

Horry Georgetown Technical College  
Conway SC



If you need a proven composite building material that is strong and durable, use GFRC. With the ability to match natural stone, precast or concrete, GFRC offers numerous finishes and textures.

Where traditional building materials require multi-tiers or components, GFRC offers part consolidation, minimizing pieces and reducing site labor. It can be secured to light gauge framing and hand set in lieu of costly crane erection.

Plasterform's CAD/CAM capabilities allow GFRC to be cast into any desired shape. Signage with inscribed lettering can be created to any size, in any font. It's unlimited in its design opportunities.

# GFRC GFRC

## FINISHES

— Glass Fiber Reinforced Concrete

## FINISHES FINISHES FINISHES FINISHES

— Glass Fiber Reinforced Concrete

Baja Silver

Muskoka Stone

Sorrento Sand

Bianco

GFRC can be supplied in a smooth paint grade finish that requires a field applied coating, or integrally pigmented and sandblasted to achieve a look of stone or precast concrete.

Plasterform's GFRC is available in 12 standard colors and custom color matching is also available by request.

**Bermuda Sand**



**Pebble Beach**



**Sienna Buff**



**Pedra de Volcao**



**Golden Wheat**



**Madeira Gold**



**Desert Dunes**



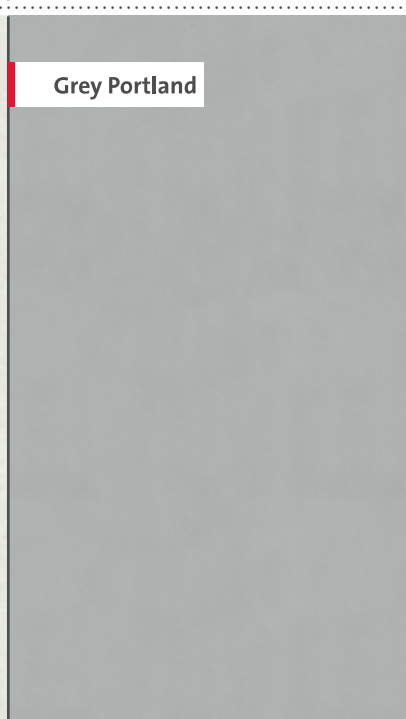
**Caldeira Velha**



**White Portland**



**Grey Portland**



# CASTONE

## WHAT IT IS

Interior Molded Stone

Castone · What Is Castone · What Is Castone · Why

## WHAT IT IS

Interior Molded Stone

Interior Molded Stone



Plasterform began manufacturing Castone in 1987 to cater to the high demand for retail storefronts. Castone is an interior molded stone (IMS) composite consisting of alpha gypsum cement, pigment, aggregate, water and polymers.

Castone is used for interiors and is typically installed by millwork carpenters, drywallers and tile setters.

**Saks Fifth Avenue**  
Various US Locations



**Royal Pacific Resort**  
Orlando FL



- LIGHTWEIGHT**  
Only 2 - 5 lbs. per square foot depending on shape and reinforcing.
- DURABLE**  
Incredible durability is unmatched amongst other simulated stone composites.
- FIRE RESISTANT**  
Meets ASTM E84.
- EASY INSTALLATION**  
Lightweight and easy to install.
- ABUSE RESISTANT**  
Reinforced with glass fibers and sealed with a clear finish.
- FLEXIBLE**  
Offers unlimited design possibilities.
- 12 STANDARD COLORS AVAILABLE**  
With custom color matching also available.





# CASTONE

## CAPABILITIES

Interior Molded Stone

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Interior Molded Stone

Interior Molded Stone

Interior Molded Stone



If you want the look of natural stone, Castone is ideal for you. It has the look of stone, but is molded and can be cast into any shape. Castone can be mounted to light gauge framing, wood blocking or plywood and can be installed by many types of tradesmen including millworkers, drywallers or tile setters.

Our CAD/CAM capabilities allow us to mold Castone into custom, complex shapes or signage with insized letters in any font. Plasterform also offers hundreds of standard molds, allowing you to keep costs down. Visit us at [plasterform.com](http://plasterform.com) for more information.

# CASTONE

## FINISHES

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Interior Molded Stone

Interior Molded Stone

Interior Molded Stone

Interior Molded Stone



Bruleé



Spanish Gold



Tuscan Sun

Castone's flexibility makes it the ideal material for interior features and accents.

Plasterform offers twelve standard colors for Castone, and we can also match custom colors, though lighter finishes tend to enhance the material for optimum effect. Castone products are sealed with a clear satin finish to ensure years of durability.



Amalfi



Seahorse



Crema Nova



Navajo



Azure



Pico



Coral



Cinzento



South Beach

# FRP FRP FRP

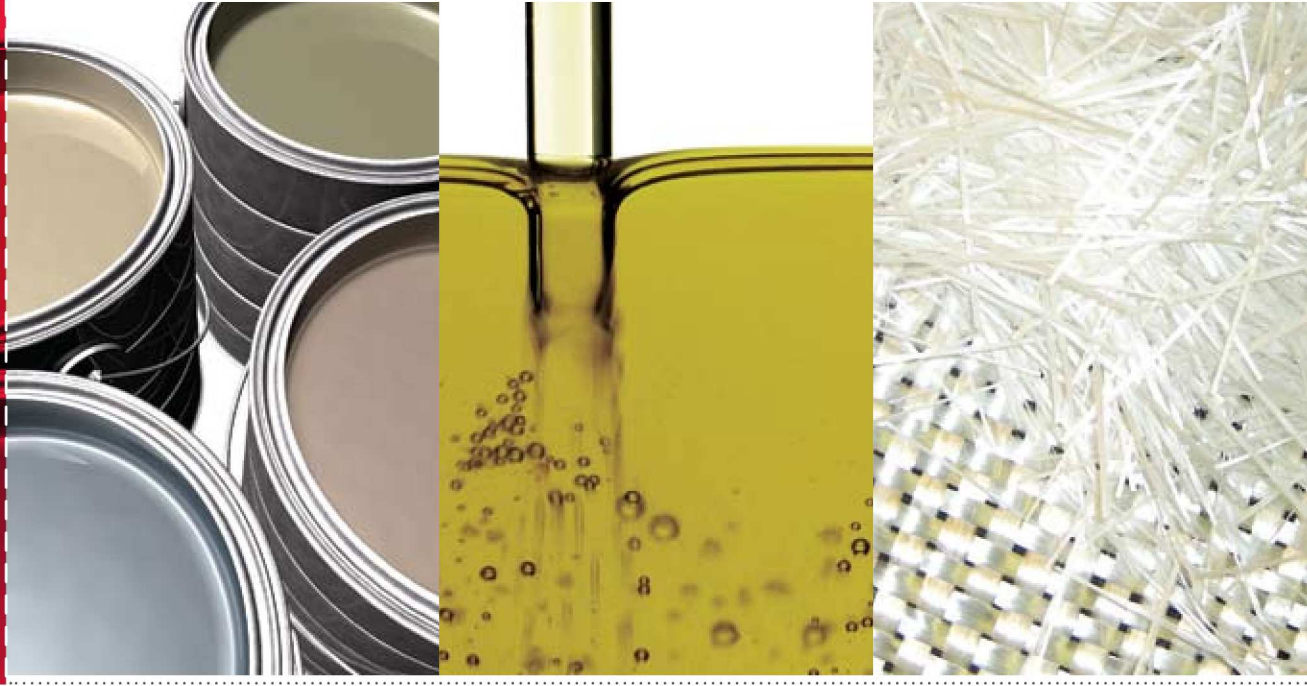
## WHAT IT IS

Fiberglass Fiberglass Fiberglass

FRP What Is FRP What Is FRP What Is FRP What Is FRP What Is FRP

## WHAT IT IS WHAT IT IS

Fiberglass Fiberglass Fiberglass Fiberglass Fiberglass



Glass Fiber Reinforced Polyester Resin (FRP) has been used as a construction material since the 1950's, and for non-architectural purposes since the 1930's. FRP, commonly known as fiberglass, is a composite consisting of gelcoat, polyester resin and glass fibers. The resin is a byproduct of oil, natural gas, sand and other minerals.

A weather resistant material, FRP can be used in hurricane and earthquake zones and can be submerged in water.

**LIGHTWEIGHT**

Only 2 - 3 lbs. per square foot.

**HIGH STRENGTH / LOW WEIGHT COMBINATION**

Stronger than steel, yet light enough to make installation fast.

**EASY INSTALLATION**

Easy to handle and place.

**PART CONSOLIDATION**

Can be used to create traditional multi-tiered cornices, columns and cupolas, in one lift/part.

**LOW TO ZERO MAINTENANCE**

Long-lasting and will retain its shape and beauty.

**WEATHER RESISTANT**

Strong enough for use in hurricane and earthquake zones.



**Del Monte Headquarters**  
Pittsburgh PA

**HIGHLY RESISTANT TO IMPACT AND ABUSE**

Ideal for applications in high traffic areas such as shopping centers, convention centers, churches and airports.

**DURABLE WITH VERY GOOD COLOR RETENTION**

Does not easily fade, and will not rot or corrode.

**FIRE RESISTANT**

Plasterform uses only fire-retardant resin.

**WATER RESISTANT**

Can be submerged in water, making it ideal for use in fountains and water features.

**FLEXIBLE**

Can be painted in any color or matched to your desired color.

**RADIO FREQUENCY TRANSPARENT**

Making fiberglass a suitable material for antenna covers.

# FRP FRP FRP

## USES

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## USES

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St. Helena Elementary School  
Beaufort SC

FRP is typically used as an exterior product, but can also be used for interior settings. It can be made into shapes such as:

- Columns
- Cornices
- Domes
- Panels
- Planters
- Cupolas
- Car parts
- Recycling containers
- Signage
- Rainscreens

FRP FRP FRP

CAPABILITIES

CAPABILITIES

Capabilities Capabilities Capabilities

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**St. Peter and Paul Church**  
Naperville IL

If you need a strong and very lightweight building material, try FRP. Its high strength and low weight make it an ideal product for domes, cupolas and steeples. Unlike traditional building materials such as wood and stone, FRP can be made in large components offering part consolidation and minimizing joints.

FRP has many uses and capabilities outside of architectural purposes. It's widely used in many industries and since FRP is radio frequency transparent, it can be used for transmission towers and antenna covers.

Plasterform's CNC capabilities allow us to mold FRP into virtually any shape. If you can imagine it, we can create it with FRP.

# FRP FRP FRP

## FINISHES

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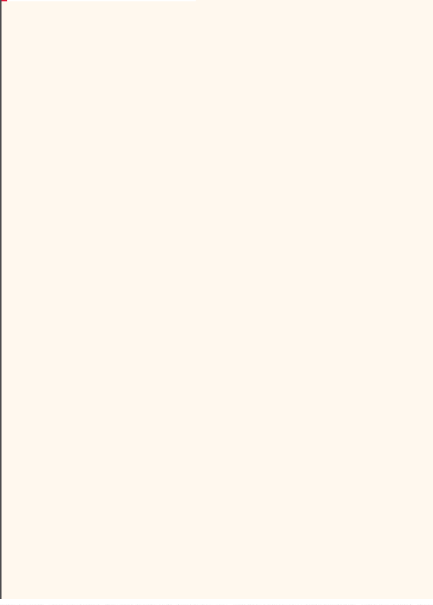
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FRP is extremely versatile. It can be supplied opaque, translucent, paint grade or pre-finished, and can be textured and pigmented to simulate stone, wood or steel.

**Standard White**  
Smooth



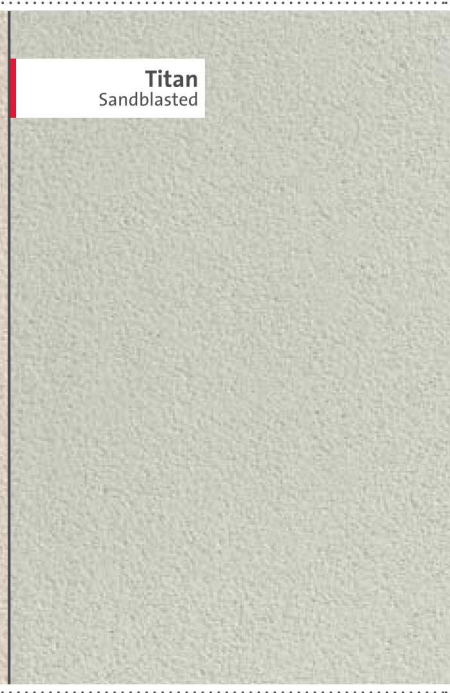
**Paint Grade**  
Smooth



**Sandstone**  
Sandblasted



**Titan**  
Sandblasted



**Tri-Summit**  
Sandblasted

