

# Five Distinct Stone Styles

Evolve Stone's products are beautifully color-throughout and perfectly complement a variety of home styles, including traditional, transitional, contemporary and everything in between. Images represent a style, not a pattern.

## Georgetown Run



## National True



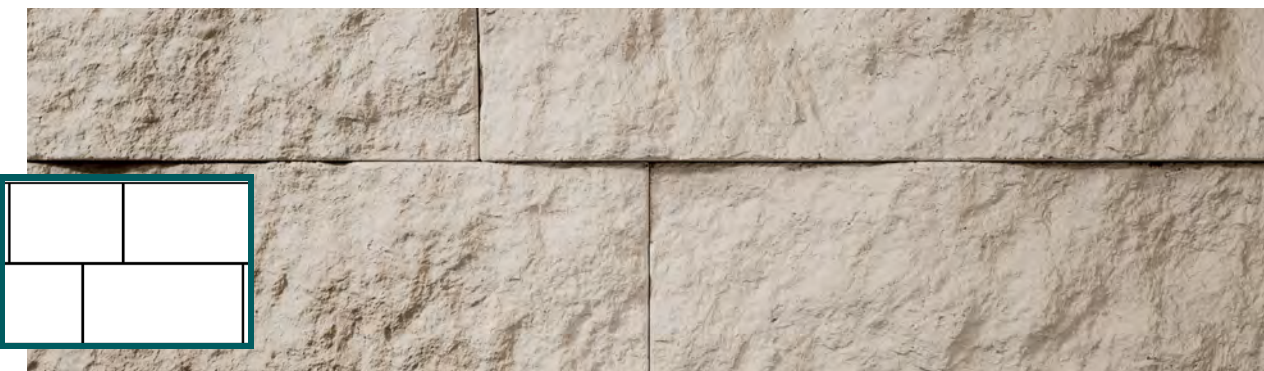
## Capital Sky



## District View



## Monument Gate



## Five Exquisite Stone Colors

Ranging from warm, organic hues to modern, monochromatic tones, Evolve Stone comes in Dune Point, Kodiak Mine, Morning Aspen, Phantom Shadow, and Winter Valley.

### Morning Aspen



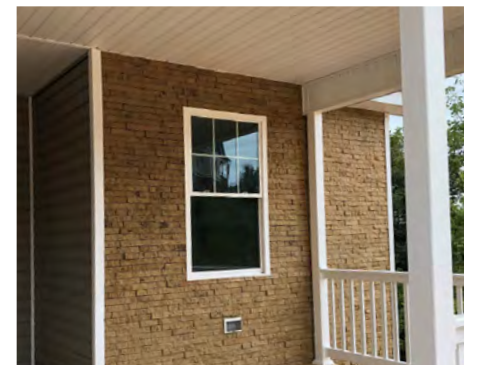
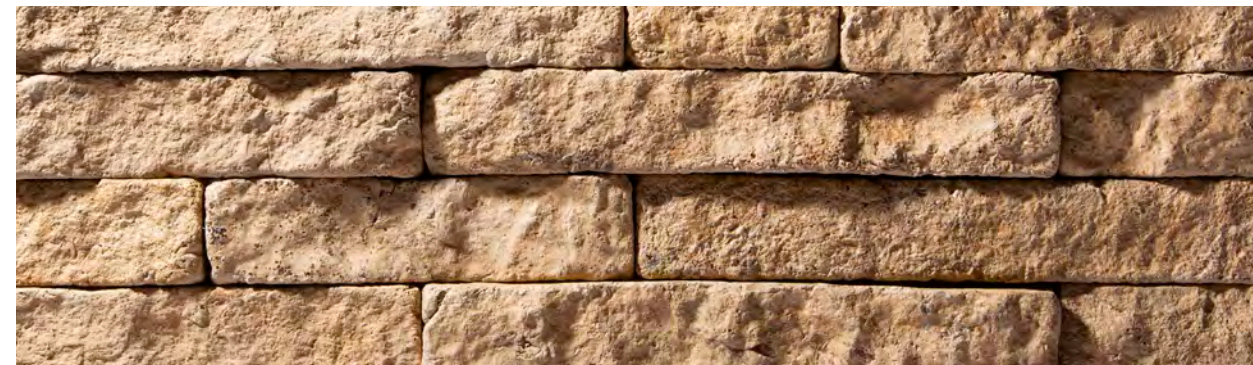
### Phantom Shadow



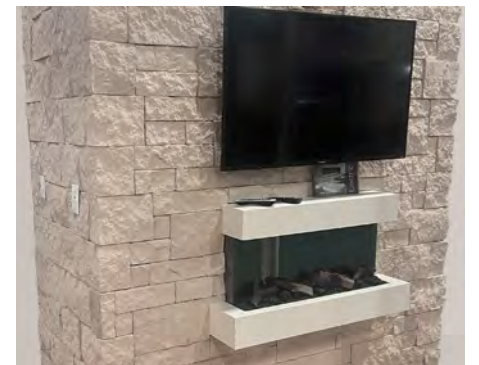
### Kodiak Mine



### Dune Point

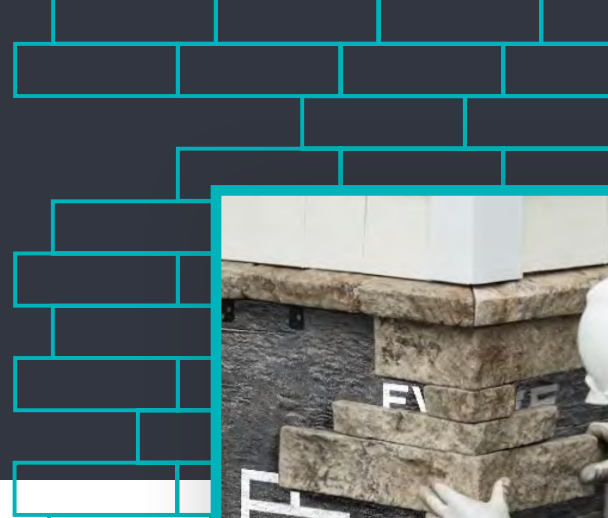


### Winter Valley



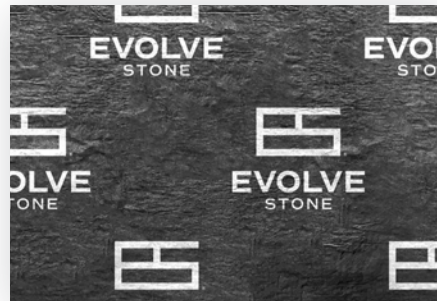
## Evolve Stone's Manufactured Accessories

As a highly workable stone veneer product, Evolve Stone can easily be cut to create unique corners from field stone; however, there are pre-fabricated options available for corners and sills. We also offer Evolve Rainscreen in our line of accessories.



### SILLS

Universal sill pieces are available in all five colors and can be installed with all of the Evolve Stone styles. Sills are approx. 20" long by approx. 2 1/4" wide by approx. 2" tall. Sills are pitched, so that water drains away from the structure.



### RAINSCREEN

Evolve Rainscreen is a nominal 0.13-inch, geometric patterned drainage and ventilation mat. It is designed to eliminate moisture and moisture vapor within various wall systems. The product is useful in cavity wall designs and rainscreen systems in which an airspace is needed for drainage and ventilation.





**VOLVE**  
STONE

PLYWOOD OR OSB SUBSTRATE  
WEATHER-RESISTANT BARRIER

RAINSCREEN

## Innovative Installation System

Unlike natural stone, Evolve Stone's mortarless, easy-to-install system does not require wire lath or a scratch coat. To prep an exterior substrate for an Evolve Stone installation, all that's needed is a weather-resistant barrier (WRB) and a rainscreen.

To get the best quality installation with Evolve Stone and receive the benefits from the 50-Year System Warranty, it's important to note that the WRB must comply with ASTM E2556 Type I or Type II.

*Note: For interior installations, the use of WRBs and rainscreens are not needed. In this case, Evolve Stone can be nailed directly to wood sheathing or adhered over sheetrock with glue (TremGrip adhesive recommended). For interior applications, especially around a fireplace or in a kitchen, Evolve Stone's Class B fire-rated products are recommended.*

## Evolve Stone Nails It on All Fronts

Nailing it on all fronts, Evolve Stone is UV resistant, isn't affected by salt spray, withstands freeze-thaw cycles, doesn't retain water and performs extremely well under wind loading.

### TESTED AGAINST THE ELEMENTS

Evolve Stone has been tested and certified for the following:

- ✓ ASTM E330
- ✓ ASTM D1037
- ✓ ASTM G155
- ✓ ASTM B117
- ✓ ASTM 2247
- ✓ AC-92
- ✓ ASTM E84
- ✓ GUARDED HOT BOX
- ✓ PHYSICAL PROPERTIES
- ✓ ICC-ES REPORT ESL-1247 (FIRE-RATED)
- ✓ ICC-ES REPORT ESR-3970 (NON-RATED)



## Features & Benefits

As the world's first nailable, mortarless, color-throughout stone veneer that installs up to 10X faster and is a fraction of the weight compared to the competition, Evolve Stone is revolutionizing the industry. Evolve Stone provides the look and feel of natural stone while installing with the ease of a finish nailer.

### Nailed it on **Ease**

- + Installs up to 10X faster when compared to the competition
- + No heavy duty staging or scaffolding required
- + No need for engineered tie-backs, grade beams or stone ledges
- + No lath, mortar, or hardware needed
- + No specialized labor training required
- + Installs with standard woodworking tools
- + No weather or temperature-related installation restrictions

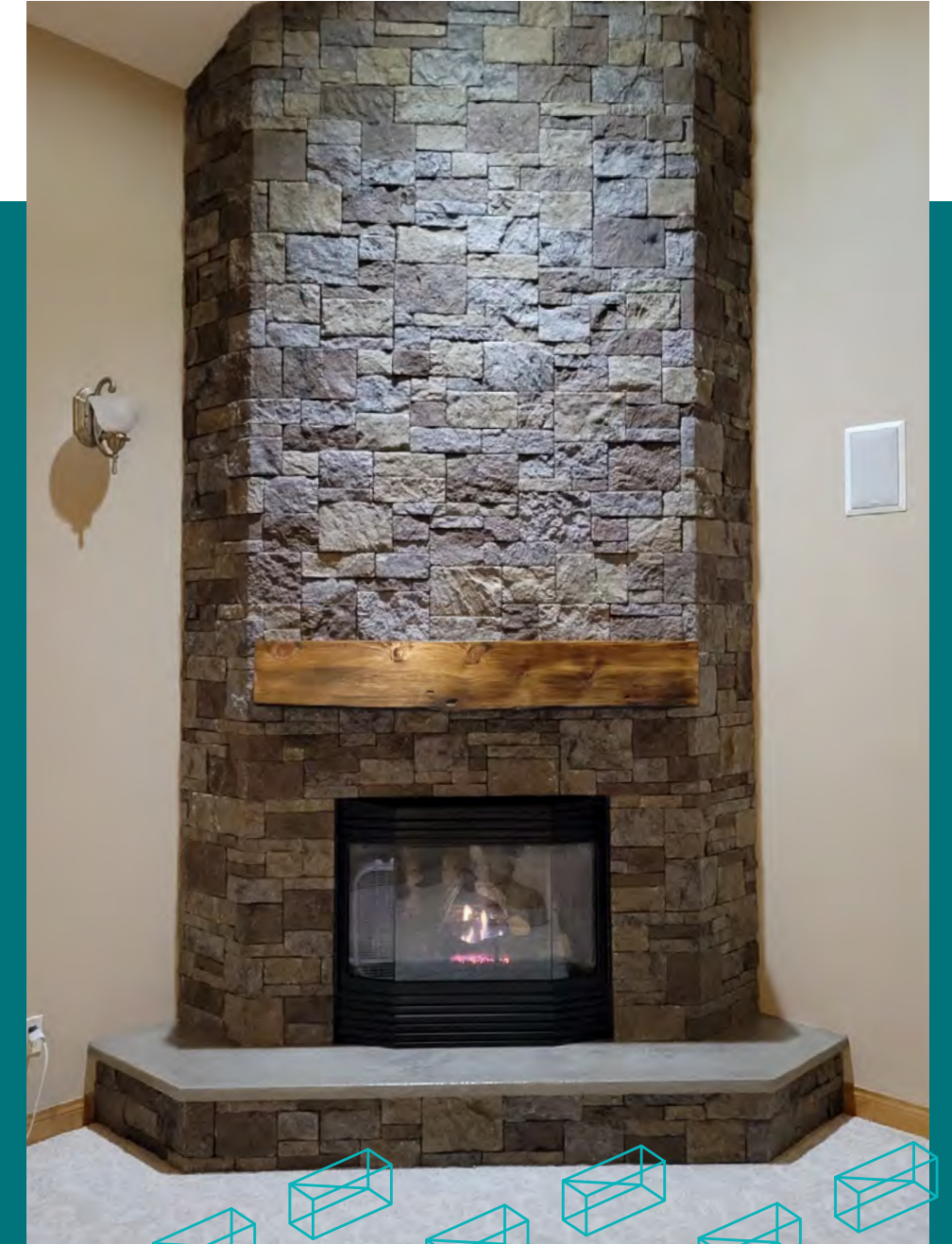
### Nailed it on **Beauty**

- + Most realistic stone veneer product on the market
- + Infused color-throughout material
- + Engineered styles—no need to lay out stones before installing

### Nailed it on **Quality**

- + Moisture impermeable—will not hold moisture against structure
- + Available in non-rated and fire-rated material
- + Extremely durable, reducing breakage during shipping and installation
- + Patented material and process
- + UV-resistant





## See Evolve Stone in Action

Visit [evolvestone.com](http://evolvestone.com) for in-depth installation information, frequently asked questions, instructional videos, inspirational photos and more!

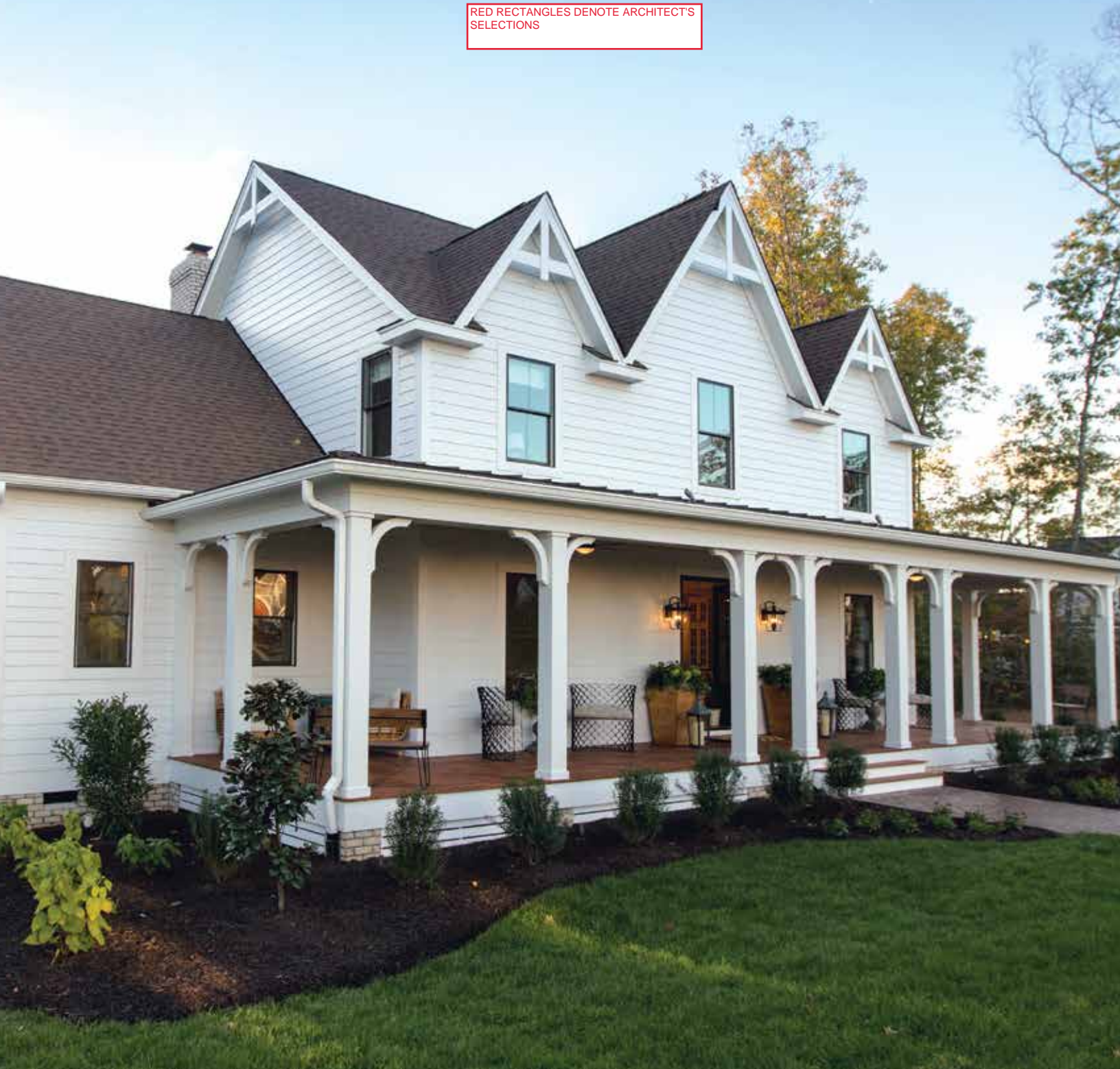
CALL  
+1 (703) 646-8090

FAX  
+1 (800) 390-6309

EMAIL  
[info@evolvestone.com](mailto:info@evolvestone.com)



RED RECTANGLES DENOTE ARCHITECT'S SELECTIONS



Discover a whole new  
**SIDE OF HOME.**

 **JamesHardie™**  
Siding | Trim



Build confidently  
**BY DESIGN.**





Installed on over 8 million homes\* from coast to coast, James Hardie® fiber cement siding products are designed to resist the most extreme conditions while delivering long term beauty and lower maintenance. Enjoy the warm, natural look of wood with unprecedented peace of mind. It's easy to see what makes James Hardie the market leader.

### UNIQUE FORMULATION

We use the highest quality raw materials and proprietary additives for enhanced strength and moisture protection.

### FINISHING TECHNOLOGY

Baked-on color delivers a beautiful finish that resists fading and makes a lasting impression.

### COMPLETE EXTERIOR

Offers homeowners an unrivaled collection of design options with exceptional warranties through a single, trusted manufacturer.

\*Estimate based on total James Hardie siding sales through 2016 and average housing unit size.

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# HardieZone® System

Only James Hardie® fiber cement products are Engineered for Climate®. In the northern U.S. and Canada, HZ5® products resist shrinking, swelling and cracking even after years of wet or freezing conditions. HZ10® products help protect homes from hot, humid conditions, blistering sun and more.

With James Hardie® siding and trim, homeowners have an exterior that's tougher than the elements and easy on the eyes.

## NO MATTER WHAT NATURE BRINGS



HardieShingle®  
Straight Edge  
Timber Bark



HardieTrim®  
Boards  
Timber Bark

HardiePlank®  
Lap Siding  
Khaki Brown

# TOUGHER THAN THE ELEMENTS



Stands up to storms and harsh weather



Water resistant to protect against swelling, warping and cracking



Won't be eaten by animals or insects



Fire resistant



Helps reduce time and money spent on maintenance

Resist the elements  
**WITH IRRESISTIBLE BEAUTY.**

# Unique Formulation

## HZ5® Substrate

Not all fiber cement is the same. The James Hardie HZ5 product formulation contains the highest quality raw materials. Proprietary additives, combined with an innovative manufacturing process and product design, create a substrate specifically engineered to reduce moisture and resist damage from wet or freezing conditions.

### PROPRIETARY ENHANCEMENTS CREATE DURABLE JAMES HARDIE® SIDING



#### Perfect balance of strength and workability

Our balance of high-quality Portland cement, sand and cellulose fiber delivers the best combination of strength and workability.



#### Enhanced moisture resistance for unmatched durability

Patented and proprietary additives are chemically bonded within the HZ5® substrate matrix to provide durable moisture resistance.

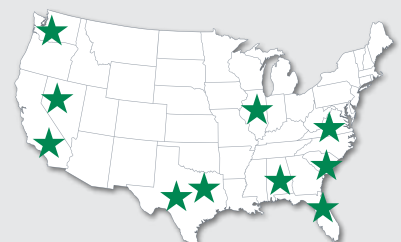


#### Increased dimensional stability

Our siding is engineered at the microscopic level to create a fiber cement composite with superior dimensional stability that helps protect against shrinking and splitting.



MADE IN THE  
**USA**



Integrity is ingrained  
**IN EVERYTHING WE DO.**

HardiePlank®  
Lap Siding  
Evening Blue



**The advanced design of HZ5® lap siding improves drainage from top to bottom.**

In addition to the enhanced moisture resistance of our product formulation, HardiePlank® HZ5® lap siding features a modified profile with a sloped top and bullnose drip edge for improved drainage over the entire outer face of the board.



**Sloped Top**

Positive slope at top drains moisture to outer face of lap



**Profiled Drip Edge**

Bottom bullnose drip edge allows moisture to drain away from lap

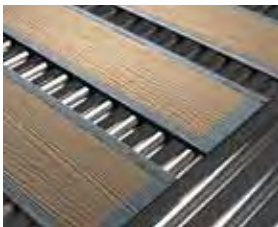
# Finishing Technology

## Primer

A quality primer is the first step to ensuring that the paint color you select beautifully expresses a home's true character now – and for years to come. Our distinctive primer is climate-tested and engineered to enhance the performance of paint on James Hardie® fiber cement siding products. It helps to provide consistent, long-lasting paint adhesion, even in the most demanding conditions.

## ColorPlus® Technology

Our advanced ColorPlus® Technology finishes deliver the ultimate in aesthetics and performance. Our products aren't simply painted at the factory. Our proprietary coatings are baked onto the board, creating a vibrant, consistent finish that performs better, lasts longer and looks brighter on your homes.



### Exceptional finish adhesion

Our proprietary coating is engineered for exceptional adhesion to our substrate and applied to the surface, edges and features for durable performance.



### Superior color retention

Finish is cured onto boards for a stronger bond, which allows for exceptional resistance to cracking, peeling and chipping.



### Superior UV resistance

ColorPlus® Technology finishes retain vibrancy longer when compared to vinyl siding and typical field paints on other siding products.



**ColorPlus®**  
Technology



## Lasting beauty **BEGINS WITH THE FINISH.**

**Our finishes help eliminate stress and reduce costly weather delays** when it's too cold or damp to paint for extended periods. Now there's no reason to question whether or not sub-optimal painting conditions will negatively affect your paint job. In fact, there's no longer any need to paint on-site during installation.

ColorPlus® Technology finishes are fully cured in a controlled environment and arrive on your job site ready for year-round installation.







ColorPlus®  
Technology  
Pearl Gray

ColorPlus®  
Technology  
Iron Gray

For complete confidence wrap your  
**ENTIRE EXTERIOR WITH JAMES HARDIE.**



# James Hardie Complete Exterior™

Top to bottom, our exterior product line is defined by excellent performance, aesthetics and design options.

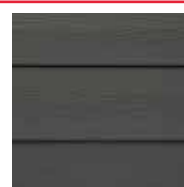
Provide protection from the elements, showcase a homeowner's individual style and install peace of mind with exceptional warranties through a single, trusted manufacturer.



HardieShingle® Siding



HardiePanel® Vertical Siding & HardieTrim® Batten Boards



HardiePlank® Lap Siding



HardieTrim® Boards



HardieSoffit® Panels

# HardiePlank®

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Sleek and strong, HardiePlank® lap siding is not just our best-selling product – it's the most popular brand of siding in America.

With a full spectrum of colors and textures, homeowners can enjoy protection from the elements and the versatility to make their dream home a reality. From Victorians to Colonials, HardiePlank lap siding sets the standard in exterior cladding.

HardieTrim®  
Boards  
Arctic White

HardiePlank®  
Lap Siding  
Select Cedarmill®  
Khaki Brown

A classic look for  
**THE HOME OF THEIR DREAMS.**

# HardiePlank®

Thickness 5/16 in  
Length 12 ft planks

## SELECT CEDARMILL® & SMOOTH

	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
Exposure		4 in	5 in	6 in	7 in	8 in
Prime Pcs/Pallet		360	308	252	230	190
ColorPlus Pcs/Pallet		324	280	252	210	—
Pcs/Sq		25.0	20.0	16.7	14.3	12.5

## SELECT CEDARMILL®



	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
STATEMENT COLLECTION™			✓		✓	
DREAM COLLECTION™		✓	✓	✓	✓	
PRIME		✓	✓	✓	✓	✓

## SMOOTH



	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
STATEMENT COLLECTION™			✓		✓	
DREAM COLLECTION™		✓	✓	✓	✓	
PRIME		✓	✓	✓	✓	

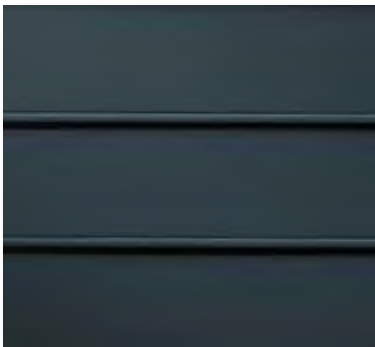
## BEADED CEDARMILL®



## BEADED CEDARMILL® & BEADED SMOOTH

Width	8.25 in
Exposure	7 in
ColorPlus Pcs/Pallet	210
Pcs/Sq	14.3
STATEMENT COLLECTION™	—
DREAM COLLECTION™	✓
PRIME	—

## BEADED SMOOTH



\*9.25 in widths do not feature the drip edge

# HardiePanel®

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HardiePanel® vertical siding delivers style and substance. When combined with HardieTrim® boards, it achieves the rustic board-and-batten look that defines cottage charm. The covered seams contribute to a well-insulated home.

Its crisp, clean lines make HardiePanel vertical siding a smart choice for strong, contemporary designs.



HardiePanel®  
Vertical Siding  
Evening Blue

HardieTrim®  
Batten Boards  
Evening Blue

True to your needs of  
**PERFORMANCE AND BEAUTY.**

# HardiePanel®

Thickness 5/16 in

## SELECT CEDARMILL®, SMOOTH, STUCCO & SIERRA 8

	Size 4 ft x 8 ft	4 ft x 10 ft
Prime Pcs/Pallet	50	50
ColorPlus Pcs/Pallet	50	50
Pcs/Sq	3.2	2.5

### SELECT CEDARMILL®



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		✓
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

### SMOOTH



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		✓
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

### STUCCO



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

### SIERRA 8



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		
DREAM COLLECTION™		
PRIME	✓	✓

# HardieShingle®

Restore the look of a grand Cape Cod or add distinction to a handsome bungalow. HardieShingle® siding embodies the enchanting look of cedar shingles with lower maintenance.

Better than the real thing, HardieShingle siding resists rotting, curling, warping and splitting.

HardieTrim®  
Boards  
Arctic White

HardieShingle®  
Straight  
Edge Panel  
Pearl Gray

Achieve the handcrafted  
**LOOK OF CEDAR.**

# HardieShingle®

Thickness 1/4 in



## STAGGERED EDGE PANEL

Length	48 in
Height	15.25 in
Exposure	6 in
ColorPlus Pcs/Pallet	100
Sq/Pallet	2
Pcs/Sq	50.0

STATEMENT COLLECTION™ \_\_\_\_\_

DREAM COLLECTION™

PRIME \_\_\_\_\_



## STRAIGHT EDGE PANEL

Length	48 in	48 in
Height	14 in	15.25 in
Exposure	5 in	7 in
ColorPlus Pcs/Pallet	120	86
Sq/Pallet	2	2
Pcs/Sq	60.0	43.0

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME \_\_\_\_\_



## HALF ROUNDS

Length	48 in
Height	15.25 in
Exposure	7 in
Prime Pcs/Pallet	86
Sq/Pallet	2
Pcs/Sq	43.0

STATEMENT COLLECTION™ \_\_\_\_\_

DREAM COLLECTION™ \_\_\_\_\_

PRIME



# HardieTrim®

Form meets function at every angle with HardieTrim® boards. With an authentic look, HardieTrim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

Better than wood, it will complement your long-lasting, lower maintenance James Hardie® siding – adding punctuation to your design statement.

HardieTrim®  
Boards  
Khaki Brown

HardiePlank®  
Lap Siding  
Navajo Beige

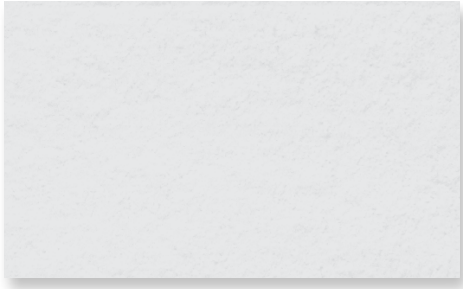
The performance you require.

**THE DISTINCTIVENESS YOU DESIRE.**

# HardieTrim®

Length 12 ft boards

## NT3® BOARDS SMOOTH



### 4/4 SMOOTH

Thickness	.75 in				
Width	3.5 in	5.5 in	7.25 in	9.25 in	11.25 in
ColorPlus Pcs/Pallet	312	208	156	104	104

STATEMENT COLLECTION™	✓	✓	✓		✓
DREAM COLLECTION™	✓	✓	✓	✓	✓
PRIME					

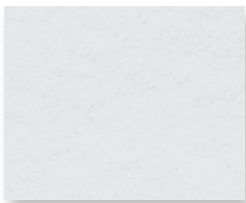
### 5/4 SMOOTH

Thickness	1 in					
Width	3.5 in	4.5 in	5.5 in	7.25 in	9.25 in	11.25 in
ColorPlus Pcs/Pallet	240	200	160	120	80	80

STATEMENT COLLECTION™	✓	✓	✓	✓		✓
DREAM COLLECTION™	✓	✓	✓	✓	✓	✓
PRIME						

## BATTEN BOARDS

### SMOOTH



### RUSTIC GRAIN®



### SMOOTH & RUSTIC GRAIN®

Thickness	.75 in
Width	2.5 in
Prime Pcs/Pallet	190
ColorPlus Pcs/Pallet	437

STATEMENT COLLECTION™	✓
DREAM COLLECTION™	✓
PRIME	✓

# HardieSoffit®

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A home is only as strong as its weakest point. HardieSoffit® panels reinforce your work by protecting the vulnerable gap between eaves and exterior walls.

Available in vented, non-vented and a range of pre-cut sizes, these panels complete your design and help protect it from moisture and pests.

## VENTILATION BENEFITS

Using vented soffit improves ventilation in the attic space and reduces the chance of water vapor condensation that can lead to issues such as mold and mildew growth, stained ceilings and damage to the framing of the house.

In warm climates, HardieSoffit panels allow hot, humid air to escape, which not only helps prevent condensation in the attic, but can also help reduce air conditioning costs.

In cool climates, HardieSoffit panels help prevent condensation from forming on the interior side of the roof sheathing and reduce the chances of roof-damaging ice dams.



HardieSoffit®  
Panels  
Dream Collection™  
product

For complete confidence  
**EVERY DETAIL MATTERS.**

# HardieSoffit®

Thickness 1/4 in

## VENTED SMOOTH & SELECT CEDARMILL®

Length	12 ft	12 ft	8 ft
Width	12 in	16 in	24 in
Prime Pcs/Pallet	200	150	100
ColorPlus Pcs/Pallet	216	156	108

### VENTED SMOOTH



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
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#### STATEMENT COLLECTION™

#### DREAM COLLECTION™

#### PRIME

✓	✓	✓
✓	✓	✓

### VENTED SELECT CEDARMILL®



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
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#### STATEMENT COLLECTION™

#### DREAM COLLECTION™

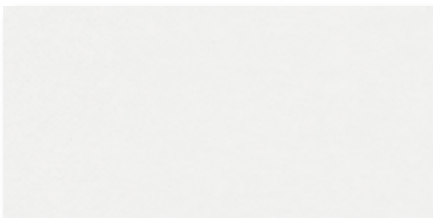
#### PRIME

✓	✓	✓

## NON-VENTED SMOOTH & SELECT CEDARMILL®

Length	12 ft	12 ft	8 ft	8 ft
Width	12 in	16 in	24 in	48 in
Prime Pcs/Pallet	200	150	100	50
ColorPlus Pcs/Pallet	216	156	108	—

### NON-VENTED SMOOTH



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
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#### STATEMENT COLLECTION™

#### DREAM COLLECTION™

#### PRIME

✓	✓	✓	
✓	✓	✓	✓

### NON-VENTED SELECT CEDARMILL®



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
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#### STATEMENT COLLECTION™

#### DREAM COLLECTION™

#### PRIME

✓	✓	✓	

### BEADED PORCH PANEL



Thickness	1/4 in
Length	8 ft
Width	48 in
ColorPlus Pcs/Pallet	50

### BEADED PORCH PANEL

#### STATEMENT COLLECTION™

#### DREAM COLLECTION™

#### PRIME

—
✓
—

# STATEMENT COLLECTION™

Make your next home stand out with our Statement Collection™ products. Carefully curated by our design experts specifically for your market, the collection brings together the most popular James Hardie ColorPlus® siding and trim styles, textures, and colors. This stunning selection is locally stocked and designed for simplicity - making it easier than ever to get a beautiful, long-lasting home exterior.

## ColorPlus® Technology

### Plank, Panel, Shingle and Batten Color Offering

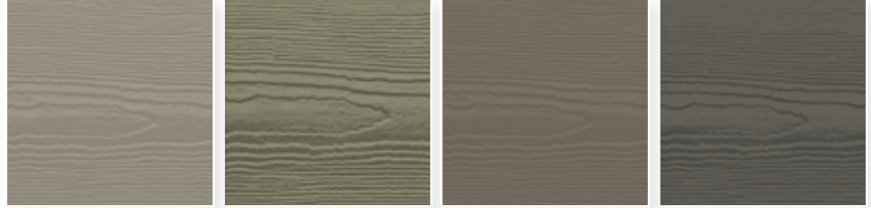


ARCTIC WHITE

COBBLE STONE

NAVAJO BEIGE

KHAKI BROWN

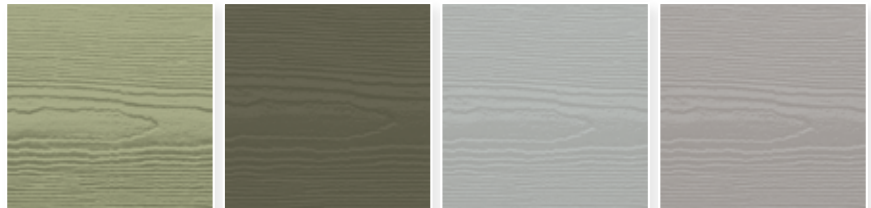


MONTEREY TAUPE

WOODSTOCK BROWN

TIMBER BARK

RICH ESPRESSO

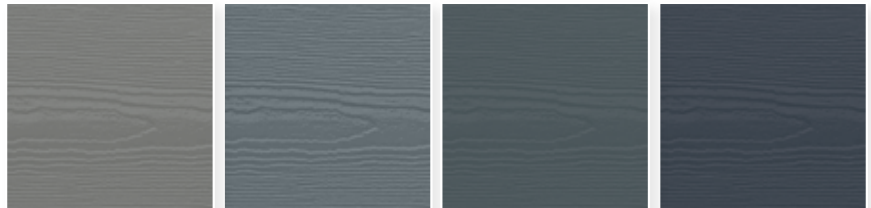


HEATHERED MOSS

MOUNTAIN SAGE

LIGHT MIST

PEARL GRAY



GRAY SLATE

BOOTHBAY BLUE

EVENING BLUE

DEEP OCEAN



AGED PEWTER

NIGHT GRAY

IRON GRAY

COUNTRYLANE RED

### Trim Color Offering



ARCTIC  
WHITE

COBBLE  
STONE

KHAKI  
BROWN

MONTEREY  
TAUPE

TIMBER  
BARK

IRON  
GRAY

Colors shown are as accurate as printing methods will permit. Please see actual product sample for true color.

## HardiePlank®



### SELECT CEDARMILL®

Width 6.25 in 8.25 in  
Exposure 5 in 7 in



### SMOOTH

Width 6.25 in 8.25 in  
Exposure 5 in 7 in

## HardiePanel®



### SELECT CEDARMILL®

Size 4 ft x 10 ft



### SMOOTH

Size 4 ft x 10 ft

## HardieShingle®



### STRAIGHT EDGE PANEL

Height 14 in 15.25 in  
Exposure 5 in 7 in

## HardieTrim®

### 4/4 SMOOTH



Thickness .75 in  
Length 12 ft boards  
Width 3.5 in 5.5 in 7.25 in 11.25 in

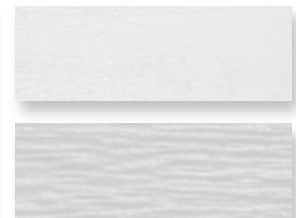
### 5/4 SMOOTH



Thickness 1 in  
Length 12 ft boards  
Width 3.5 in 4.5 in 5.5 in 7.25 in 11.25 in

## BATTEN BOARDS

### 4/4 SMOOTH & RUSTIC GRAIN®



.75 in  
2.5 in



Selecting a color? Request a product sample at [jameshardiepros.com/samples](http://jameshardiepros.com/samples)

# Get Inspired

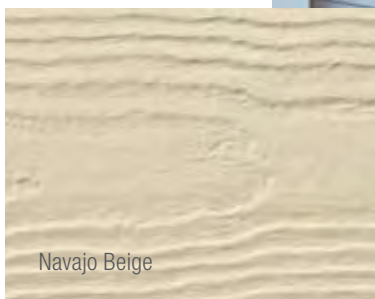
## CRISP & CLEAN

### LIGHT COLORS

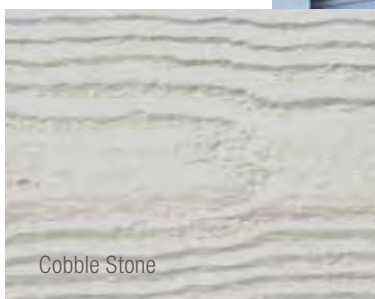
Whites and soft pastels are pure, clean, new and bright. Combine with other hues to add interest, personality and contrast. Works well on houses with Colonial Inspiration. A pastel A-frame cottage can look sweet and charming.



Arctic White



Navajo Beige



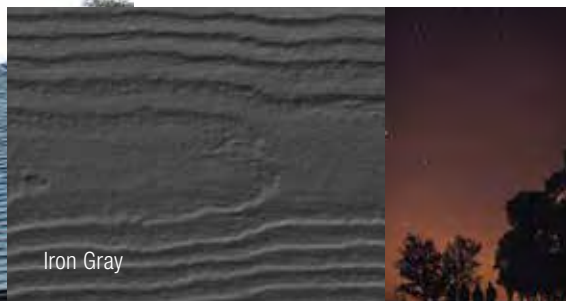
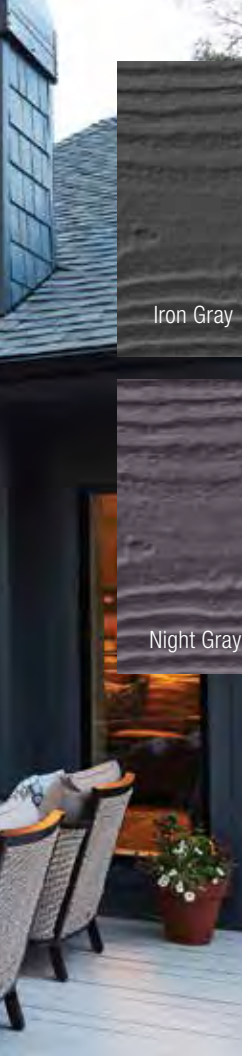
Cobble Stone



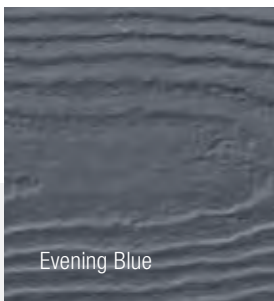
## SUBTLE & SOPHISTICATED

### NEUTRAL COLORS

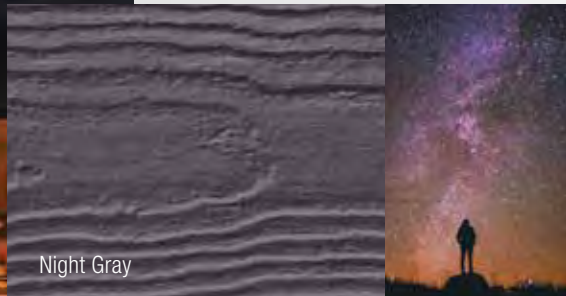
Neutral rules the suburbs. These shades are safe, but also sophisticated. When accessorized with black or a darker color, a neutral can look fashionably stylish. Play with textures and use different tones for trim.



Iron Gray



Evening Blue



Night Gray



## A BOLD CHOICE

### DARK COLORS

Dark grays, blues and greens can feel both intellectual and modern. When used with white trim, they create drama. Works well in old neighborhoods, or urban environments, where there is a mix of old and new.

## DREAM COLLECTION™

Looking to further express your sense of style? Look to our Dream Collection™ products.

- Featuring a color palette of over 700 ColorPlus® Technology finishes
- Made to order in a wide array of James Hardie® siding and trim styles
- Matches elevated design flexibility with the uncompromising performance of our fiber cement products

To see what's possible and order Dream Collection product samples visit [jameshardiepros.com/dream](http://jameshardiepros.com/dream)



Khaki Brown



Monterey Taupe



Timber Bark





# HardieWrap®

No exterior cladding can prevent 100% of water intrusion. Your homes should have an additional line of defense. HardieWrap® weather barrier provides a superior balance of water resistance and breathability, keeping the area within the wall drier. This helps prevent moisture accumulation that may lead to mold and mildew growth.

## INSTALLATION ADVANTAGES

- Thicker, more durable material for easier, quicker installation
- Superior tear resistance helps prevent water infiltration
- Can be installed with staples in place of cap nails for cost savings
- Provides a higher level of performance, no matter what type of cladding you specify



We've got performance covered  
**FROM THE INSIDE OUT.**



HardieWrap®  
Weather Barrier

HardieWrap®  
Pro-Flashing

HardieWrap®  
Flex Flashing

HardieWrap®  
Seam Tape

### WEATHER BARRIER

Thickness	11 mil			
Length	100 ft	100 ft	150 ft	150 ft
Width	3 ft	9 ft	9 ft	10 ft

### PRO-FLASHING

Thickness	20 mil		
Length	75 ft	75 ft	75 ft
Width	4 in	6 in	9 in

### FLEX FLASHING

Thickness	60 mil	
Length	75 ft	75 ft
Width	6 in	9 in

### SEAM TAPE

Thickness	3.2 mil
Length	164 ft
Width	1-7/8 in



To learn more about our weather barrier's advantages, visit [jameshardiepros.com](http://jameshardiepros.com)

# Install Done Right

## Installation Accessories

### HARDIEBLADE® SAW BLADES

Manufactured by Diablo, the HardieBlade® saw blade is designed specifically to cut fiber cement products, and is the only saw blade James Hardie recommends. The blade creates clean, precise cuts while helping to reduce the amount of airborne dust produced. Specially designed to outlast other fiber cement saw blades by 3X, outlasting carbide blades by 60X.



### PACTOOL® GECKO GAUGE

The PacTool® Gecko Gauge is designed to improve the installation experience, allowing one person to hang HardiePlank® lap siding during installation. Studies suggest the Gecko Gauge can improve the speed of solo installation by 30%.



## Finishing Touches

### ColorPlus® Technology Accessories

#### TOUCH-UP KITS

Specially formulated to match ColorPlus Technology finishes, our touch-up kits offer resistance to aging, color change and chalking. Estimated one kit per 4000 sq ft of siding or 1600 sq ft of trim.



#### COLOR MATCHED CAULK

OSI® QUAD® MAX sealant offers a high performance sealant solution to color match Statement Collection™ products.\* About 18-20 linear feet per tube. Refer to packaging for manufacturer's recommendations.

*\*For matching Dream Collection products, contact your local James Hardie representative.*

## Trim Accessories

#### FLAT TABS

Eliminate face nails and improve the aesthetic of trim applications around windows, doors and band boards.

#### CORNER TABS

Use corner tabs to eliminate face nail holes that would detract from the finished look of corner trim installations.



Find useful job-site tips in our industry-leading Best Practices Guide. For the latest installation instructions, visit [jameshardiepros.com](http://jameshardiepros.com)



HardieTrim®  
Boards  
Arctic White

HardiePlank®  
Select Cedarmill®  
Timber Bark

As unforgettable  
**AS IT IS UNCOMPROMISING.**



# See the James Hardie Difference



James Hardie invented fiber cement. Over 8 million homes\* later, we continue to set the standard in premium, high-performance exterior cladding. Our products deliver uncompromising durability and finish quality for a beautiful, lower maintenance exterior.

Our unrivaled investment in R&D and constant innovations in product design, manufacturing and distribution allow us to remain steps ahead of the competition. With the support of our employees, partners and exceptional warranties, we're committed to protecting your customers' homes while helping your business grow.

\*Estimate based on total James Hardie siding sales through 2016 and average housing unit size.

# Warranty – for peace of mind

Protect your homes with North America's #1 brand of siding backed by exceptional warranties. Unlike other brands, James Hardie doesn't prorate our siding and trim warranty coverage. We stand behind our siding 100% for 30 years and trim for 15 years.

ColorPlus® Technology finishes come with a 15-year limited warranty.

## James Hardie Non-Prorated Siding Substrate Warranty Coverage



# Endorsements – a reputation built on trust

For decades, our fiber cement products have been used to create better places to live. Each new home stands as a testament to our uncompromising quality. That proven track record has earned the loyalty of millions of homeowners and the endorsements of trusted authorities across the building industry.



Listed as top building materials & products by **Professional Builder 2018**



Chosen by builders as a **Brand Leader** in **Builder magazine** for over 20 years



**James Hardie® siding & trim products** have earned the **Good Housekeeping Seal**



HardieTrim®  
Boards  
Arctic White

HardieShingle®  
Straight Edge  
Pearl Gray

Make every home  
**STAND UP AND STAND OUT.**



HardiePanel®  
Vertical Siding  
Iron Gray

HardieTrim®  
Batten Boards  
Iron Gray

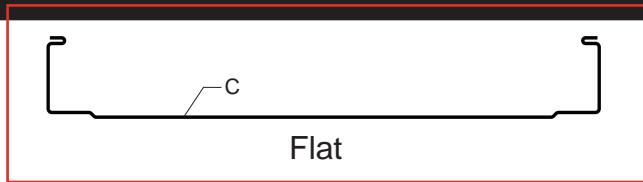
1.888.542.7343 | jameshardiepros.com

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 **JamesHardie™**  
Siding | Trim

# 2-3/8" T-ARMOR

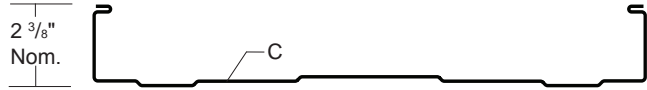
Condensed  
Technical  
Reference



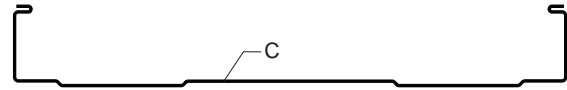
Flat



Pencil Rib



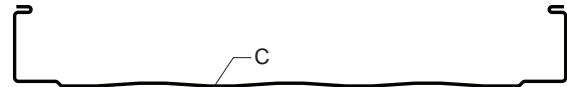
Mesa



Plank



Minor Rib



Striated

\*Profiles are shown for 16" wide panels. Other width panels are similar.

ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL

CONCEALED  
FASTENED

12", 16" OR 18"  
COVERAGE

MINIMUM  
SLOPE  
1/2:12

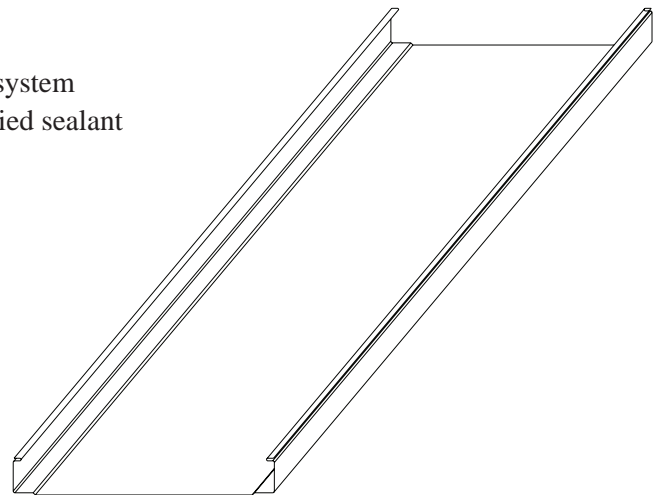
OPEN FRAMING OR  
SOLID SUBSTRATE

## PANEL OVERVIEW

- ▶ Finishes: PVDF and Acrylic-Coated Galvalume®
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®  
AZ50 per ASTM A 792 for painted Galvalume®  
G90 per ASTM A 653 for Galvanized
- ▶ Thickness: 24 ga and 22 ga
- ▶ 12", 16" or 18" panel coverage, 2 3/8" rib height
- ▶ Panel Length: Minimum: 6', Maximum: 80'
- ▶ Architectural, structural vertical rib standing seam roof system
- ▶ Integral mechanically seamed side lap with factory-applied sealant
- ▶ Minimum roof slope: 1/2:12
- ▶ Accommodates 1/2" to 6" blanket insulation

## TESTING AND APPROVALS

- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 790 Fire Resistance Rating - Class A, per building code
- ▶ UL 263 Fire Resistance Rating - per assembly
- ▶ ASTM E 1680 Air Leakage
- ▶ ASTM E 1646 Water Penetration - None
- ▶ ASTM E 2140 Water penetration, Static Head
- ▶ ASTM E 1592 Structural Performance
- ▶ UL 580 Uplift Resistance - Class 90 Constructions: #268, #268A and #268B
- ▶ FM 4471 Roof Approval - Class 1-90 and 1-120
- ▶ ICC Evaluation Report - ESR-3743



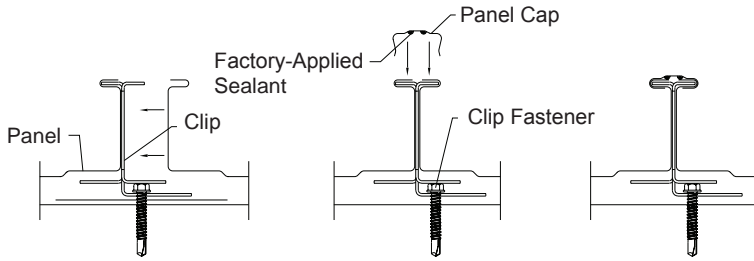
**MS Metal Sales**™



# 2-3/8" T-ARMOR

Condensed  
Technical  
Reference

## ATTACHMENT DETAILS

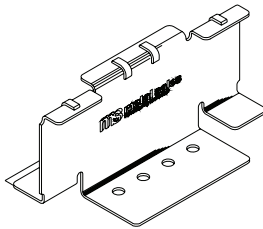


INSTALLING PANEL

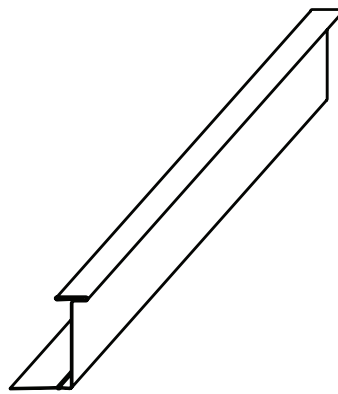
INSTALLING CAP

SEAMED

## CLIP OPTIONS



INDIVIDUAL CLIP



CONTINUOUS CLIP

## FASTENING INFORMATION

### ► Clips

Clip spacing is based upon the design loads, the spanning capacity of the panels, the fasteners and the support members.

Individual clips are 0.060" thick, G90 is standard, 410 stainless is optional. Continuous clips are 24 or 22 ga.

Both Individual and continuous clips can accommodate practically unlimited thermal movement in each direction.

### ► Fasteners

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

#### Clip Fasteners:

Attaching to Wood:

#12-11 x 1-1/2" Wood Screw

Attaching to Steel:

<18 ga: 1/4"-14 Deck Screw

>=18 ga, <=12 ga: 1/4"-14 Driller, No Washer

>12 ga: 1/4"-24 Driller, No Washer

#### Exposed End Fasteners:

At Eave Plate or Back-Up Channel:

#12-14 XL Driller

#### Concealed End Fasteners:

At Eave Plate or Back-Up Channel:

#12-14 Driller, No Washer

#### Trim Fasteners:

1/4"-14 x 7/8" XL Stitch Screw

1/8" x 3/16" Pop Rivet

## STEEL SECTION PROPERTIES

Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression	
				Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft
24	12	50	1.50	0.3398	0.2053	0.2078	0.1758
22	12	50	1.97	0.4640	0.2806	0.3020	0.2466
24	16	50	1.35	0.2828	0.1601	0.1260	0.0944
22	16	50	1.78	0.3810	0.2157	0.1800	0.1397
24	18	50	1.30	0.2567	0.1419	0.1113	0.0836
22	18	50	1.71	0.3507	0.1932	0.1600	0.1242

## ALLOWABLE UNIFORM LOADS, psf (3 or More Equal Spans)

Inward Load						Outward Load					
2'	2.5'	3'	3.5'	4'	5'	2'	2.5'	3'	3.5'	4'	5'
400	400	362	280	222	149	119	108	96	85	73	50
400	400	400	400	326	216	119	108	98	87	76	55
400	295	215	163	127	84	88	80	73	66	59	44
400	400	328	247	192	126	109	100	91	82	73	55
377	261	190	144	113	74	68	62	56	50	44	32
400	400	292	220	171	112	87	80	74	67	61	47

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.

**MS Metal Sales™**

[metalsales.us.com](http://metalsales.us.com)

Anchorage, AK 866.640.7663  
Bay City, MI 888.777.7640  
Deer Lake, PA 800.544.2577  
Denver, CO 800.289.7663

Detroit Lakes, MN 888.594.1394  
Fontana, CA 800.782.7953  
Fort Smith, AR 877.452.3915  
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Jacksonville, FL 800.394.4419  
Jefferson, OH 800.321.5833  
Mocksville, NC 800.228.6119  
Nashville, TN 800.251.8508  
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Spokane, WA 800.572.6565  
Temple, TX 800.543.4415  
Woodland, CA 800.759.6019

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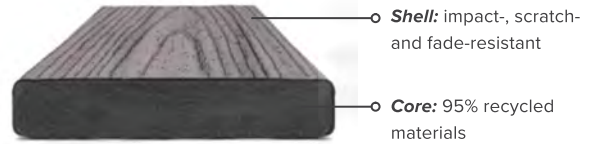
# Viewing colors for our Bay City, MI branch

## 24 Gauge



## PREMIUM HIGH-PERFORMANCE DECKING & FASCIA

Trex Transcend® decking and Trex® Fascia are wood thermoplastic composite lumber (WTCL) boards with an integrated shell that covers the boards on the top surface and sides. The integrated shell consists of a proprietary surface formulation that produces a natural, wood-like grain pattern finish. An alternative to naturally durable hardwood lumber, Transcend Decking and Fascia are ICC-ES SAVE-certified to be a minimum of 95.4% recycled content by weight.



### DECKING

### FASCIA



FEATURES	DECKING BOARDS		FASCIA BOARDS	
	1" x 6"	2" x 6"	8"	12"
Actual Dimensions - Standard	.94" x 5.5"	1.3" x 5.5"	.56" x 7.25"	.56" x 11.375"
Actual Dimensions - Metric	24 mm x 140 mm	33 mm x 140 mm	14 mm x 184 mm	14 mm x 288 mm
Available Lengths - Standard	12', 16', 20'	12', 16', 20'	12'	12'
Available Lengths - Metric	365 cm, 487 cm, 609 cm	365 cm, 487 cm, 609 cm	365 cm	365 cm
Grooved Edge	X			
Square Edge	X	X	X	X
Transcend Lineage*	X		X	X
Transcend Tropicals	X	X	X	X
Transcend Earth Tones	X		X	X
Weight per Lineal Foot	2.4 lbs	3.6 lbs	2.0 lbs	3.3 lbs

\*Transcend® Lineage™ square edge profiles are not available in 12' lengths

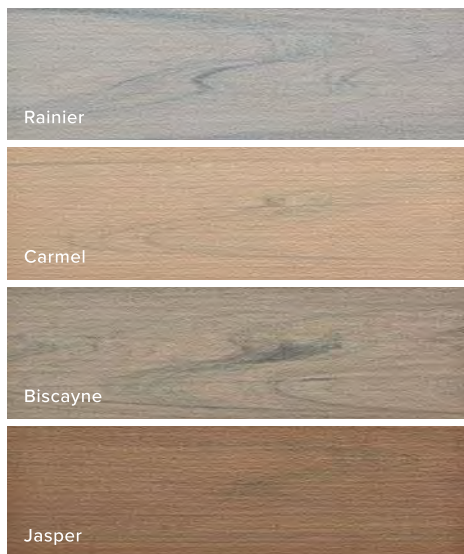
**PHYSICAL & MECHANICAL PROPERTIES**

TEST	TEST METHOD	VALUE
Flame Spread	ASTM E 84	Class B
Thermal Expansion	ASTM D 1037	1.9 × 10 <sup>-5</sup> in/in/°F
Moisture Absorption	ASTM D 1037	< 1%
Screw Head Pull-Through	ASTM D1761	161 lbf/screw*
Fungus Resistance	ASTM D1413	Rating – no decay
Termite Resistance	AWPAE1-72	Rating = 9.6

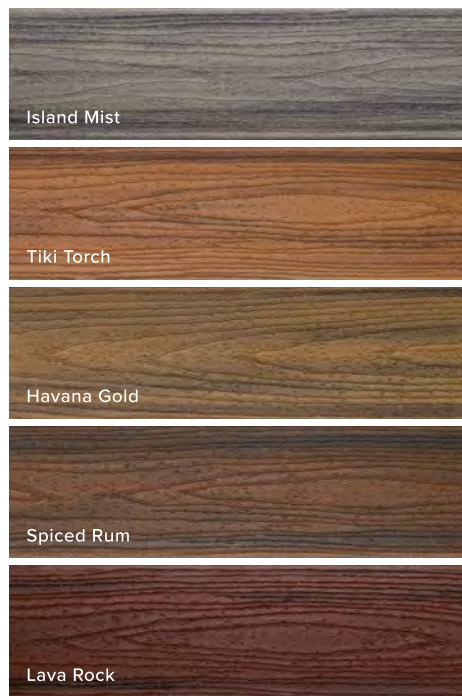
\*Fastener used in testing: #8 x 2.5" approved Stainless Steel Screw

**COLORS**

Lineage (neutral multi-tonal)



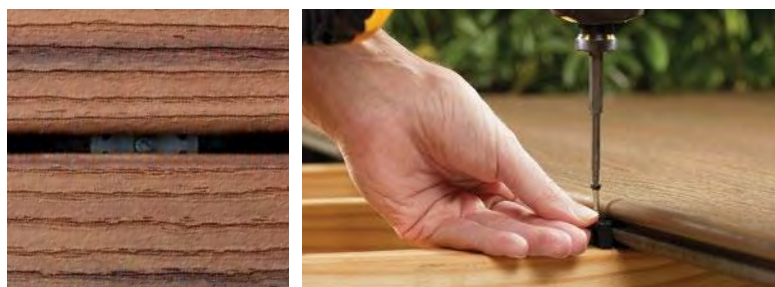
Tropicals (vibrant multi-tonal)



Earth Tones (monochromatic)



**FASTENERS**



**Trex Hideaway® Hidden Fastening System**

Self-gapping, glass-filled nylon fastener with 304 grade stainless steel, sharp point screw for wood framing.

Other approved fasteners include, color-matched composite deck screw, matching composite plug with composite screw, color-coordinated fascia screw and uncoated stainless steel fascia screw.

For a full list of approved fasteners, download our Installation Guide at [trex.com/literature](http://trex.com/literature)

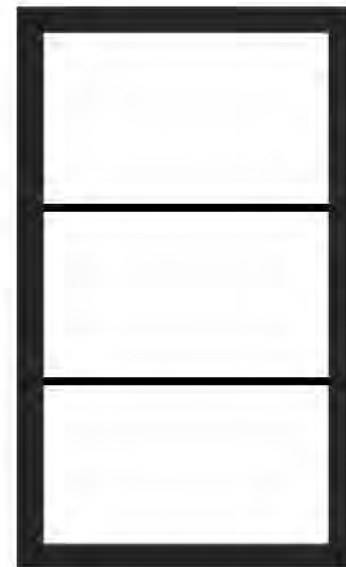




## 100 SERIES CASEMENT WINDOW



Interior



Exterior

### Summary

<b>Product ID#</b>	100CS3050
<b>Unit Width</b>	35 1/2"
<b>Unit Height</b>	59 1/2"
<b>Interior Color</b>	White
<b>Glass</b>	Low-E Glass
<b>Hardware</b>	Folding Lock and Keeper, White
<b>Grille Pattern</b>	None
<b>Exterior Color</b>	Black



Style Option = S83CL-FFLE

## Fiberglass Single

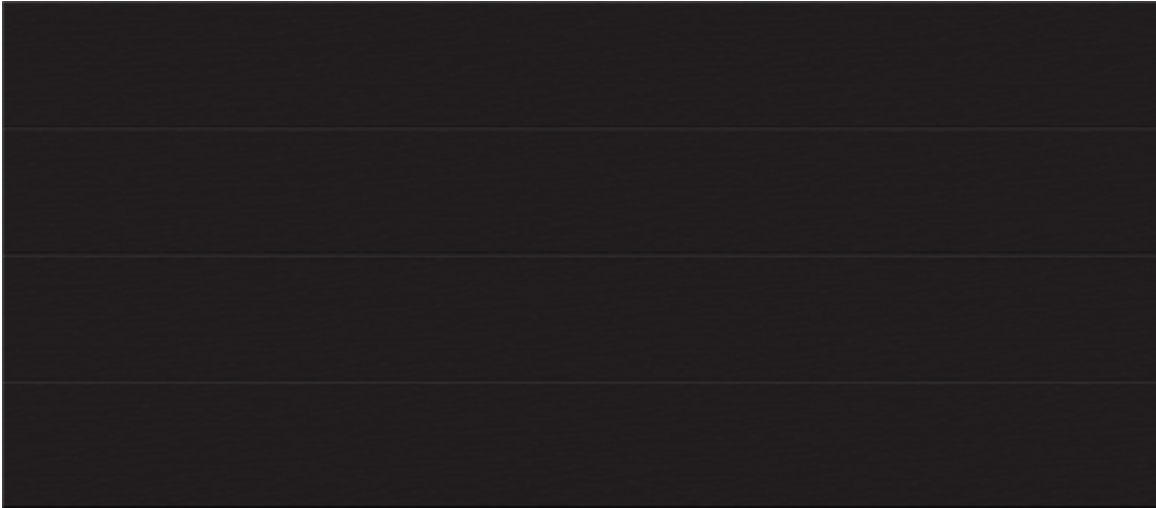
Impact Rating : None  
Call Width : 3'0"  
Call Height : 8'0"  
Door Collection : Smooth-Star®  
Line : Pulse  
Glass Shape : Pulse Ari  
Style Shape : Pulse 8' Ari 4-Lite  
Glass Type : Clear Glass  
Glass Design : Clear  
Grille Pattern : None  
Grille Style : None  
Low-E? : Yes  
Caming : None  
Frame Profile : Flat Profile  
Door Prefinish : Paint 1 Color  
Door Paint Color : Onyx  
Jamb Prefinish : Paint 1 Color  
Jamb Paint Color : Onyx  
Hardware : Multipoint Hardware  
Multipoint Hardware : Grip  
Grip Style : Forte  
Grip Finish : Brushed Nickel  
Would you like to include a storm door? : No



**Disclosure:**

Product images may vary based on your home's construction, door configuration and final measurements. Therma-Tru Corp., distributors of Therma-Tru products and sellers of Therma-Tru products are not responsible for the actual degrees of variation that may occur with your specific application. Formal measure and project verification are required.

## SUMMARY OF YOUR GARAGE DOOR PROJECT



<b>Model:</b>	Regal N24, Flush
<b>Quantity:</b>	1
<b>Size:</b>	16' 0" x 7' 0" (width x height)
<b>Sections:</b>	2"-thick galvanized steel, non-insulated 24-gauge galvanized steel, woodgrain finish; 2" tongue and groove joint between sections.
<b>Color:</b>	Black Ice

Please note that colors shown on your screen may vary based on your screen or printer settings. To have a precise view of colors, contact a Garaga dealer for samples.



**Find a Garaga Dealer near you!**

To get your project started

