

 **Ply Gem®**

MASTIC®

SIDING & ACCESSORIES



QUEST® > PREMIUM VINYL SIDING



Mastic products are part of the **Cornerstone Building Brands** family of products, America's leader in creating beautiful residential and commercial exteriors.

Our Mastic siding products carry a superior warranty, providing comfort as you create the exact home you want for decades to come. And thanks to the industry's most advanced engineering processes, Mastic products deliver darker colors and better performance than were possible just a few years ago.

Dream big on your new home or remodeling project — with Mastic.

beauty



THIS PAGE: Quest Double 5" in Pebblestone Clay with Cedar Discovery Double 7" Perfection Shingle in a custom color
COVER IMAGE: Quest Double 4" in American Walnut



Quest Double 4" in Woodland Green with
Cedar Discovery Hand-Split Shake in Walnut

No paint. No stain. No hassles. A premium vinyl siding with the classic look of authentic wood siding. Solid and tough. A tornado-tough, double-thick nail hem that keeps siding firmly in position, even during high winds. Patented T3-LOK® panel locking system eases installation and increases strength. Quest.® Incomparable beauty. Unmatched performance.

Vinyl siding gives homeowners what they want.

■ IMPORTANT ■ NEUTRAL ■ NOT IMPORTANT (%)

(independent study conducted by Vernon Research Group, 2005)



Is it any wonder that vinyl siding is chosen more than any other exterior cladding in the U.S. and Canada?¹

¹ vinylsiding.org December 14, 2009



Quest® Delivers.

DURABILITY. If you're looking for siding that is durable and low maintenance, and looks beautiful, Quest® siding is the ideal choice. Quest® will enhance your home's appearance today — and for years to come.

NO PAINT, NO STAIN, NO HASSLES. Quest®, a premium panel, never needs paint or stain. Unlike real wood siding, it won't crack, peel, flake or rot. Revolutionary technologies like Ply Gem's exclusive Hang-Tough™ Technology, Kynar 500® Protection and Duranyl® 5000 Protection System maximize the panel's weatherability and deliver additional protection — and peace of mind — for your investment.

COLOR AND TEXTURE. Featuring a realistic cedar grain, Quest® is available in a diverse palette of attractive colors — 35 base colors from rich, deep hues to light neutrals.

PEACE OF MIND THAT LASTS A LIFETIME. Quest® is backed by the V.I.P. Limited Lifetime Warranty — a real warranty backed by a solid company. Ply Gem has been a trusted industry leader for more than 75 years. Please see our warranty for complete details.

Beauty that lasts.

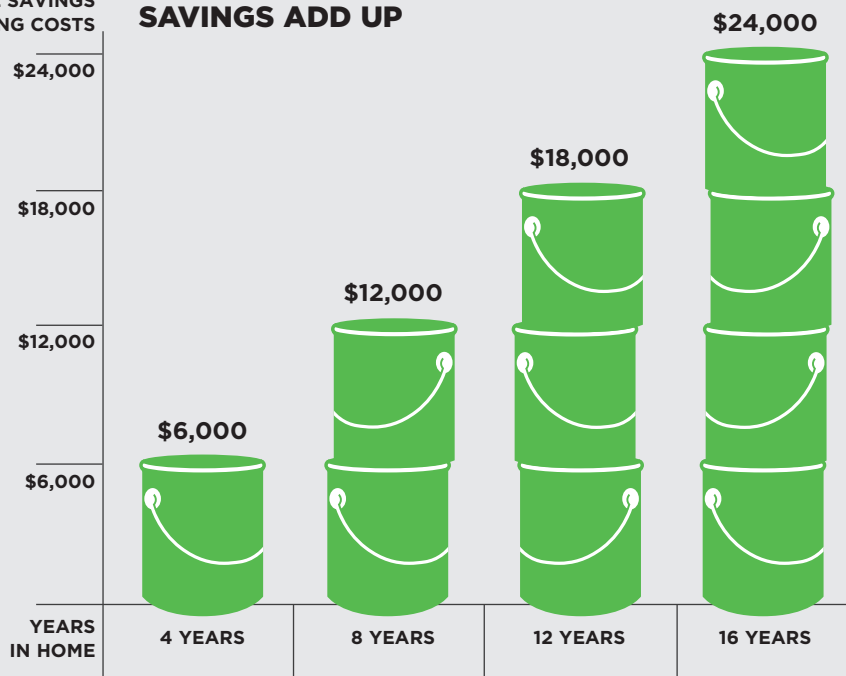
Based on an average-size home, repainting or staining can cost up to \$6,000 every four years. Quest® never needs painting, caulking or patching because, unlike wood, it won't crack, peel, rot or split.



NO PAINT. NO STAIN. NO HASSLES.

TYPICAL SAVINGS
IN PAINTING COSTS

SAVINGS ADD UP



BREATHE EASY

Unlike some fiber cement products, vinyl siding does not produce harmful silica dust — silica dust can cause lung disease.



HANG-TOUGH™ TECHNOLOGY

Exclusive formulation and process boosts durability so panels are more resistant to cracking, impact and thermal distortion. As an added benefit, rich color resides throughout the panel — virtually eliminating the appearance of nicks and minor surface scratches.



DURANYL® 5000 PROTECTION SYSTEM

Proprietary technology adds extra UV protection to our deepest, most vivid colors — protects color against harsh elements and maximizes long-term weatherability.



KYNAR 500® PROTECTION

Our cedar colors feature an exclusive thermal bonding process utilizing weather-resistant polymers and Kynar 500® to create a protective coating with superior weatherability and color retention.

V.I.P. LIMITED LIFETIME WARRANTY

Premium guarantee of lasting quality and peace of mind — backed by Ply Gem, a trusted industry leader for 75+ years.

See warranty for complete details.



Test our vinyl. We do. Rigorously. Relentlessly.



OIL CAN TEST Siding panels are placed under heat strips and saturated to 120°-140°F to make sure the siding doesn't warp or buckle.



WEATHERING Color retention (resistance to fading) is tested by subjecting Mastic products to real-time weather conditions and accelerated UV testing. This ensures that Mastic products will hold up in the most extreme environmental conditions.



RIGIDITY Panels are designed and engineered to be more rigid so the siding remains straight on the wall.



COLOR READ TEST Using a spherical spectrophotometer, a 10,000-watt xenon flash tube bounces light off a siding panel. This information is then analyzed to determine if the color falls within accepted ranges for color consistency and match.



VERTICAL HEIGHT IMPACT TEST Measures the product's durability and ability to resist impact forces — the result of proper thickness, formulation and impact modifiers.











GLOSS TEST A digital readout microgloss meter is used to scan siding to determine if its gloss falls within a target range. Gloss is important to the aesthetic appeal of the siding.

Time-tested. Certified. And more.

The Vinyl Siding Institute sponsors a certification program that assures the quality of vinyl siding by offering manufacturers the means to independently verify the quality of our products through third-party testing and inspection.

Through this program Mastic vinyl siding products are certified to meet or exceed the industry-accepted performance standard set forth by ASTM D3679 and the color retention requirements of ASTM D6864 or D7251, so you can have confidence our products will perform well, season after season.



ASTM STANDARDS	MASTIC PERFORMANCE
 WITHSTAND THE IMPACT OF RECOMMENDED INSTALLATION PROCEDURES.	 Mastic siding is designed and engineered to withstand impact beyond that required by ASTM D3679.
 STAY ON THE HOUSE IN HEAVY WINDS OF AT LEAST 110 MPH.	 Quest is rated to withstand winds up to 240 mph.
 LAY STRAIGHT ON A FLAT WALL AND NOT BUCKLE UNDER NORMAL CONDITIONS.	 Our product development team subjects Mastic products to a battery of rigorous tests to ensure superior quality and performance and, in addition to lay-flat design features, some Mastic products are even designed to hide existing imperfections in construction.
 WITHSTAND THE EFFECTS OF NORMAL SEASONAL TEMPERATURE FLUCTUATIONS.	 With our exclusive Duranyl® 5000 Protection System and Hang-Tough™ Technology, Mastic products are engineered to persevere in the most extreme conditions.
 MEET MANUFACTURERS' ADVERTISED SPECIFICATIONS FOR LENGTH, WIDTH, GLOSS AND THICKNESS — AND HAVE A MINIMUM THICKNESS OF .035.	 Quest features a premium nominal thickness of .046 — 31% thicker than the minimum requirement.

*Consult the VSI website at vinylsiding.org for a current list of certified products and colors.

COLOR



QUEST PROFILE AND COLOR KEY

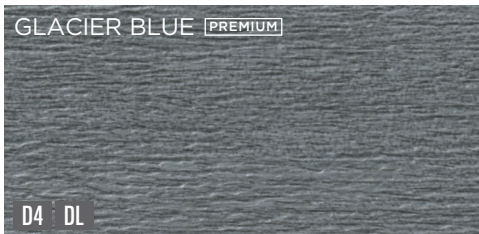
Due to printing limitations, colors may not be exactly as shown. Refer to actual sample and color chips for best match.

D4 D4"
D4^L D4" LONG - 16' 8"
D4^{SL} D4" SUPER LONG - 25' 6"

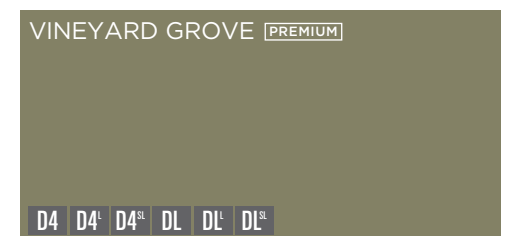
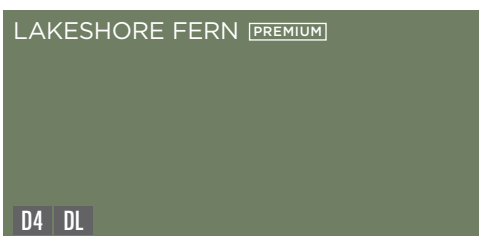
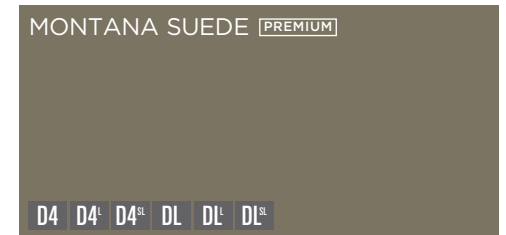
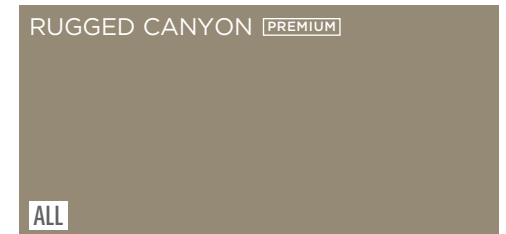
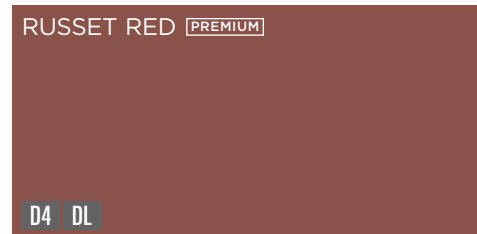
DL D4-1/2" DL
DL^L D4-1/2" DL LONG - 16' 8"
DL^{SL} D4-1/2" DL SUPER LONG - 25' 6"

D5 D5"
ALL ALL PROFILES AND LENGTHS

CEDAR COLORS >



DEEP COLORS >



DEEP COLORS (CONTINUED)

AUTUMN HARVEST PREMIUM

D4 D4^L D4^{SL} DL DL^L DL^{SL}

CLASSIC COLORS >

CORN SILK

ALL

HARBOR GREY

ALL

EVEREST

ALL

SCOTTISH THISTLE

ALL

PEBBLESTONE CLAY

ALL

LIGHT COLORS >

VICTORIAN GREY

ALL

TUSCAN OLIVE

ALL

WICKER

ALL

SANDTONE

ALL

SAGE

ALL

DESERT SAND

ALL

SILVER GREY

ALL

ALMOND

ALL

CLASSIC CREAM

ALL

LINEN

ALL

CAMEO

ALL

COLONIAL YELLOW

D4 D5 DL

WHITE

ALL

EXPLORE THE POSSIBILITIES

With just a few clicks, you can apply different combinations of colors and products to see how they look together. Try it with a variety of home styles or with a photo of your own home. Explore your possibilities at mastic.com/getstarted.



effortless beauty



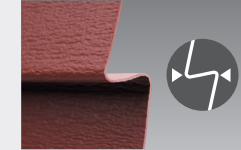
TRI-LINEAR RIGIDITY

Quest® provides extra rigidity in three critical areas. Siding panels stay straight and true with 200% more rigidity than standard siding.



TORNADO-TOUGH, DOUBLE-THICK NAIL HEM

Fold-over nail hem features a projected stop and provides a stronger anchoring surface — siding stays firmly in place, even in high winds.



ENHANCED FULL 3/4" PANEL PROJECTION

Oversized to provide extra rigidity — and uniquely angled to create straighter, deeper shadow lines.



PATENTED T3-LOK

Panels grip together for fast, easy installation — uniquely designed lock tightens under pressure so siding stays put even in the most challenging weather.



NEW PREMIUM .046 THICKNESS

Superior thickness and impact resistance.



LONGER LENGTHS AVAILABLE IN DOUBLE 4" AND DOUBLE 4-1/2" DUTCH LAP — 16' 8" AND 25' 6"

Fewer seams — for a cleaner, straighter, professional look. Ideal for larger homes and light commercial applications.



WIND VELOCITY (MPH*)

The Standard Wind Load Design Pressure (DP) is 89.4 PSF** and it can resist a Wind Velocity of up to 193 mph.



DURANYL® 5000 PROTECTION SYSTEM

Proprietary technology adds extra UV protection to our deepest, most vivid colors — protects color against harsh elements and maximizes long-term weatherability.



EXCLUSIVE HANG-TOUGH™ TECHNOLOGY

Boosts durability so panels are more resistant to cracking, impact and thermal distortion. Color resides throughout the panel — virtually eliminating the appearance of nicks and minor surface scratches.



V.I.P. LIMITED LIFETIME WARRANTY

Premium guarantee of lasting quality and peace of mind — backed by Ply Gem, a trusted industry leader for 75+ years (see warranty for complete details).



CLASS 1(A) FIRE RATING



METRO-DADE COUNTY APPROVED

*Tested in accordance with ATM D5206. Wind speed rating will vary depending on specific code region and construction method. Refer to local building codes for detailed requirements concerning allowable wind loads and specified conversion tables for actual wind speed.

** Example wind velocity for 89.4 PSF is 190 mph Zone B at 30' building height.



A HEALTHY RESPECT FOR THE PLANET — AND OUR CUSTOMERS.

Our products offer features that positively contribute to sustainable practices, improved energy efficiency or lifecycle benefits of homes. All are foundational elements of sustainable building reflected in our Enviro initiative.



SUSTAINABLE RESOURCES:

- Mastic® vinyl siding is manufactured from two abundant natural resources: salt (57 percent) and natural gas (43 percent).¹
- During the manufacturing process of our vinyl siding, all unused material is reclaimed and reused, creating one of the most efficiently-produced exterior claddings available today.
- When installed and used properly, Mastic® products never require paint or stain, which reduces VOCs released into the atmosphere.
- Our facilities reuse and recycle pallets and packaging material, reducing raw material needs and landfill use.



ENERGY EFFICIENCY:

- Vinyl siding requires less energy to manufacture per square foot than brick and mortar.²
- Mastic® vinyl siding is lighter weight per square than other cladding options, so it requires less fuel to transport. Less fuel used means less pollution.
- When correctly installed, the Structure Home Insulation System™ can reduce thermal bridging and help meet the requirements of an ENERGY STAR® Qualified new home. The Structure Home Insulation System™ in a Double 6" profile has an R-value³ of R-3.0 using the testing method ASTM C1363, as specified by the Federal Trade Commission.
- Mastic Performance Metals® V-Groove soffit and roof and eave vents support proper attic ventilation efforts, which moderates attic temperatures and improves a home's energy efficiency. Mastic® V-Groove metal soffit provides the most net free ventilation per linear foot of any aluminum soffit system.



LIFECYCLE BENEFITS OF HOMES:

- Mastic® vinyl siding is durable and requires no site finish. Our Performance Metals® stand up to weather with virtually no maintenance. Our Designer Accents™ use thicker construction and a baked lacquer finish to ensure that they hold up season after season.
- When installed properly and under normal use, our products should never require painting or staining. They won't crack, peel, blister or rot.
- All of our Performance Metals® aluminum accessories are easily recyclable. In fact, at the end of its lifecycle in building applications, 100 percent of the aluminum can be recycled.



VINYL SIDING ENVIRO SNAP SHOT:

LEED For Homes — Possible Points



LEED New Construction — Possible Points



NAHB Standards — Possible Points



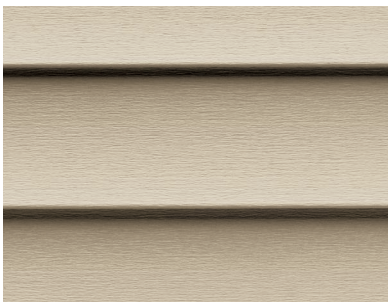
1 - "A Dozen Things You Might Not Know That Make Vinyl Siding Green," page 9, Tad Radzinski, P.E., LEED AP, and VSI. October 10, 2009. www.vinylsiding.org/greenpaper

2 - Ibid, page 10

3 - R means resistance to heat flow. The higher the r-value, the greater the insulating power.



Mastic supports green building and it shows. We are active members of both the USGBC and NAHB — two key organizations that are working to define sustainable building practices.



GIVE YOUR HOME THE PERFECT FINISH

The big things like siding and windows make the house, but it's the finishing touches that make it home. So start with the rich texture of shakes or the crisp shadow lines of lap siding, but finish with charming shutters, expertly crafted trim or rustic stone. Creating your dream home exterior can start and finish with our Mastic brand and related Ply Gem products. Every product we make is designed to perform and look beautiful together. Because a house is a home when it's **perfectly finished**.



SIDING + ACCESSORIES | WINDOWS + DOORS | STONE VENEER | TRIM + MOULDINGS | FENCE



Get Started

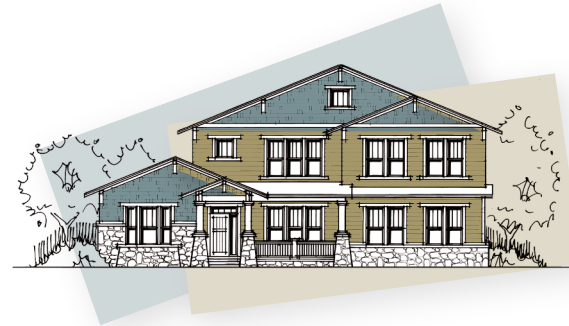
To get started on your dream home exterior visit mastic.com/getstarted.



DREAM

DESIGN FIELD GUIDE

A series of amazing exterior transformations that will inspire ideas for your own home.



ADD COLOR + VISUALIZE

THE INTERACTIVE DESIGN TOOL

Mix and match colors and styles to see how they look together.

 **Ply Gem**[®]
RESIDENTIAL SOLUTIONS

+ RAILING



mastic.com
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