

# STRUCTURE







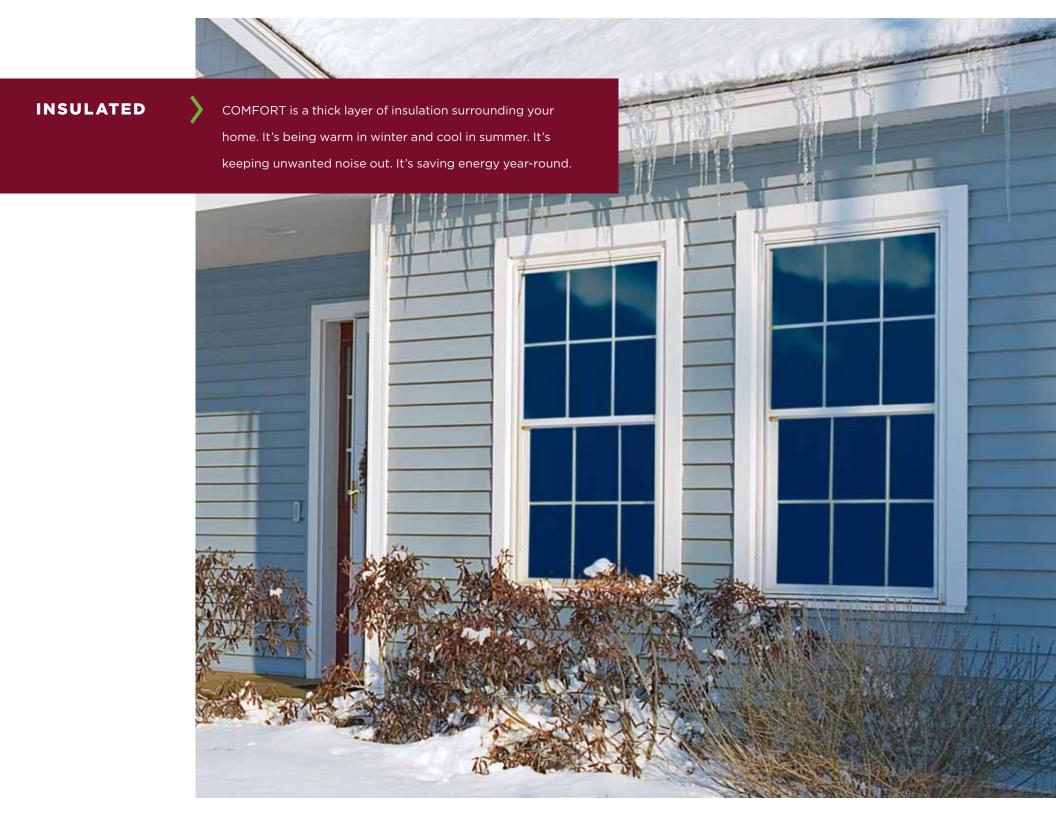
STRUCTURE HOME INSULATION SYSTEM

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A VIRTUALLY SEAM-FREE APPEARANCE









# A continuous blanket of insulation

Most homes have insulation between the studs in exterior walls. But heat can escape in winter (and enter your home in summer) through gaps and holes around windows, doors and across wall studs.

Structure® Home
Insulation System™ not
only covers exterior
walls with a layer of
continuous insulation,
it also covers problem
areas around windows,
doors and corners with
a range of insulated
accessories.

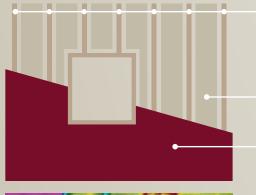
# nsulatec

STUDS IN YOUR WALL TRANSFER HEAT.

COVERING THEM

WITH INSULATION

SAVES ENERGY.

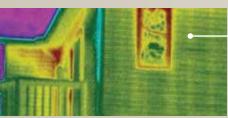


Studs create a thermal bridge for heat to escape in winter and enter your home in summer. Because studs can represent up to 25% of the wall surface, it's like having an entire wall without significant insulation.

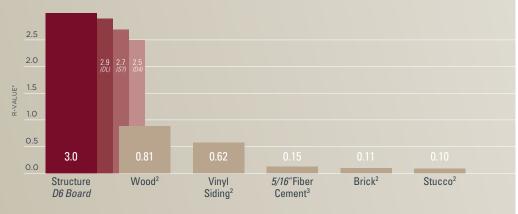
Insulation between the wood studs in an exterior wall

Structure® Home Insulation System™ covers the entire wall with a thick layer of insulation to prevent thermal bridging.

Thermal bridging through the studs and wall intersections is revealed with an infrared camera.<sup>1</sup>



STRUCTURE\* HOME
INSULATION SYSTEM\*\*
HAS GREATER
INSULATING POWER
THAN OTHER
CLADDING OPTIONS



<sup>\*</sup>R-value means resistance to heat flow. The higher the R-value the greater the insulating power.

Side-by-Side, All Siding Isn't Created Equal, Page 3, by Insulated Siding with Fullback Technology", Progressive Foam.

http://www.progressivefoam.com/replacing-vinyl-siding http://www.icc-es.org/reports/pdf\_files/NES/NER405.pdf





# Protects inside and out

The average family of four produces four to six gallons of water vapor each day. That water vapor must be allowed to escape to prevent moisture from accumulating and causing problems in your walls.

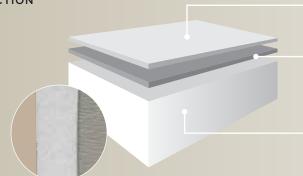
Like today's highperformance clothing,
Structure® Home
Insulation System™ allows
moisture generated by
your daily activities to
escape while protecting
you from the elements.

# nsulated

TRIPLE PROTECTION

**AGAINST THE** 

**ELEMENTS** 

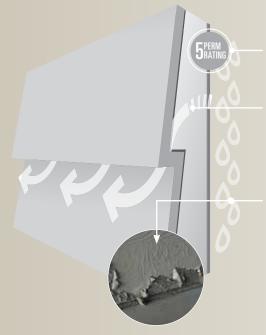


Formulated with **Duranyl 5000**° to resist fading and weathering. Even darker colors retain their rich hues.

Rigid substrate adds strength, maintains flatness and improves impact resistance.

Up to 1-1/4" of insulation boosts R-value of exterior walls and helps save energy year-round.

BREATHABLE
INSULATION FOR A
HEALTHIER HOME



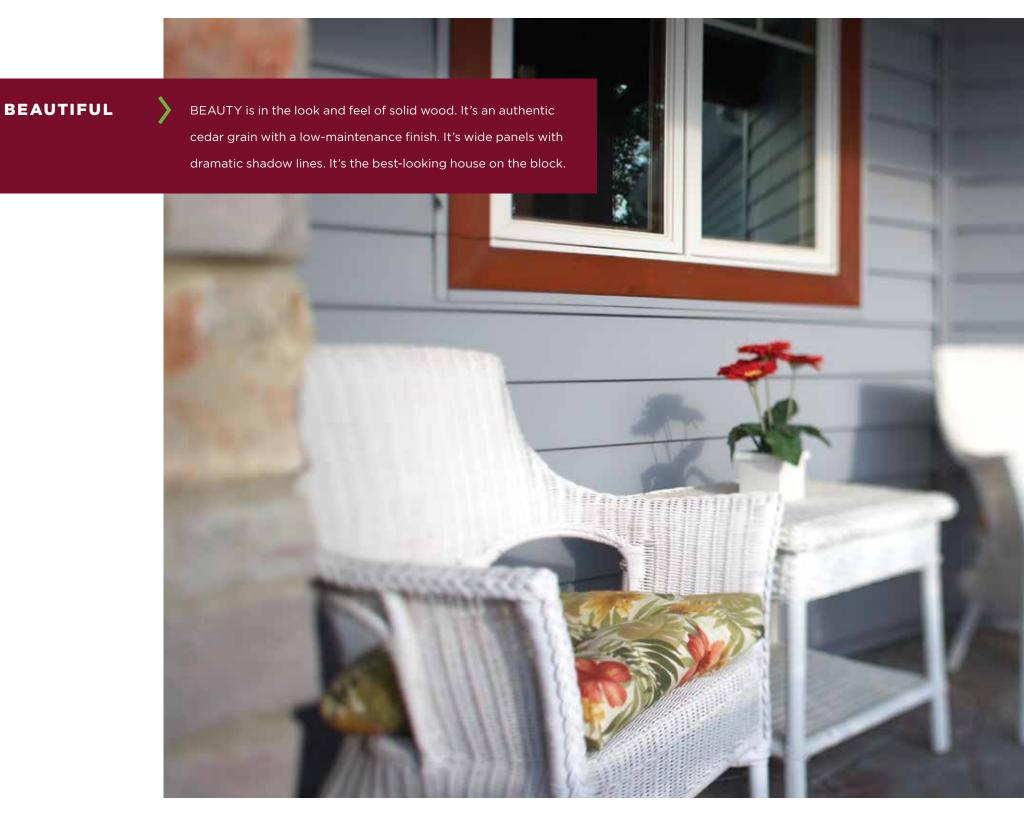
The EPS foam backing has a Permeability Rating of 5.

EPS foam is a breathable material that allows water vapor to escape so it doesn't accumulate and cause problems in your walls.

Helps prevent mold and mildew growth caused by moisture buildup under the siding.

Moisture damage is mostly hidden behind the cladding, but this example of fiber cement shows visible deterioration on the surface.









# Solid curb appeal

When you combine rigid foam insulation and vinyl siding, you get a solid panel that looks and feels like traditional wood siding. The panels are broader than ordinary vinyl siding and they maintain their shape under pressure. The foam backing also tightens the seams between the panels for attractive, straight lines and added curb appeal.

WIDE RANGE OF COLORS
FROM LIGHTER SHADES
AND EARTH-TONES TO
DARKER HUES

LAYS FLAT OVER
IMPERFECTIONS IN
WALL SURFACES FOR
A STRAIGHT, UNIFORM
APPEARANCE

COORDINATES WITH A
VARIETY OF COLORS,
TEXTURES AND
MATERIALS

LONGER 16' 8" LENGTHS
MEAN FEWER SEAMS. WITH
16' LONG LENGTH PANELS,
YOU CAN REDUCE OR EVEN
ELIMINATE SEAMS





# Beautiful

# Choose from a broad color palette.

To see how different colors might look on your home, try our visualizer options at mastic.com/getstarted.

# Color key

- **S7L** SINGLE 7" LONG LENGTH
- **D6L** DOUBLE 6" LONG LENGTH
- DLL DOUBLE 4-1/2" **DUTCH LAP** LONG LENGTH
- **ALL** ALL PANELS

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

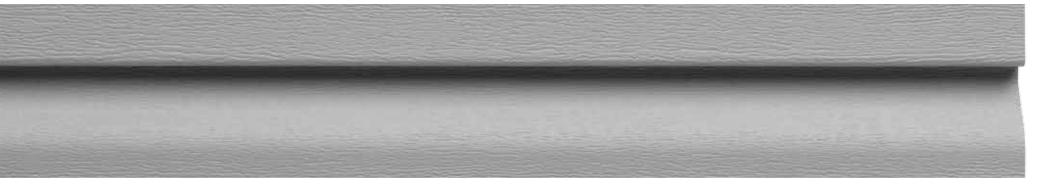
ALL

# **DEEP COLORS**

RUGGED CANYON PREMIUM DEEP GRANITE PREMIUM RUSSET RED [PREMIUM] QUIET WILLOW PREMIUM MONTANA SUEDE PREMIUM MISTY SHADOW [PREMIUM] D6L D6L S7L D6L S7L **CLASSIC COLORS** VINEYARD GROVE PREMIUM AUTUMN HARVEST PREMIUM HARBOR GREY

ALL

ALL



# **LIGHT COLORS**

PEBBLESTONE CLAY

VICTORIAN GREY

WICKER

SANDTONE

ALL

ALL

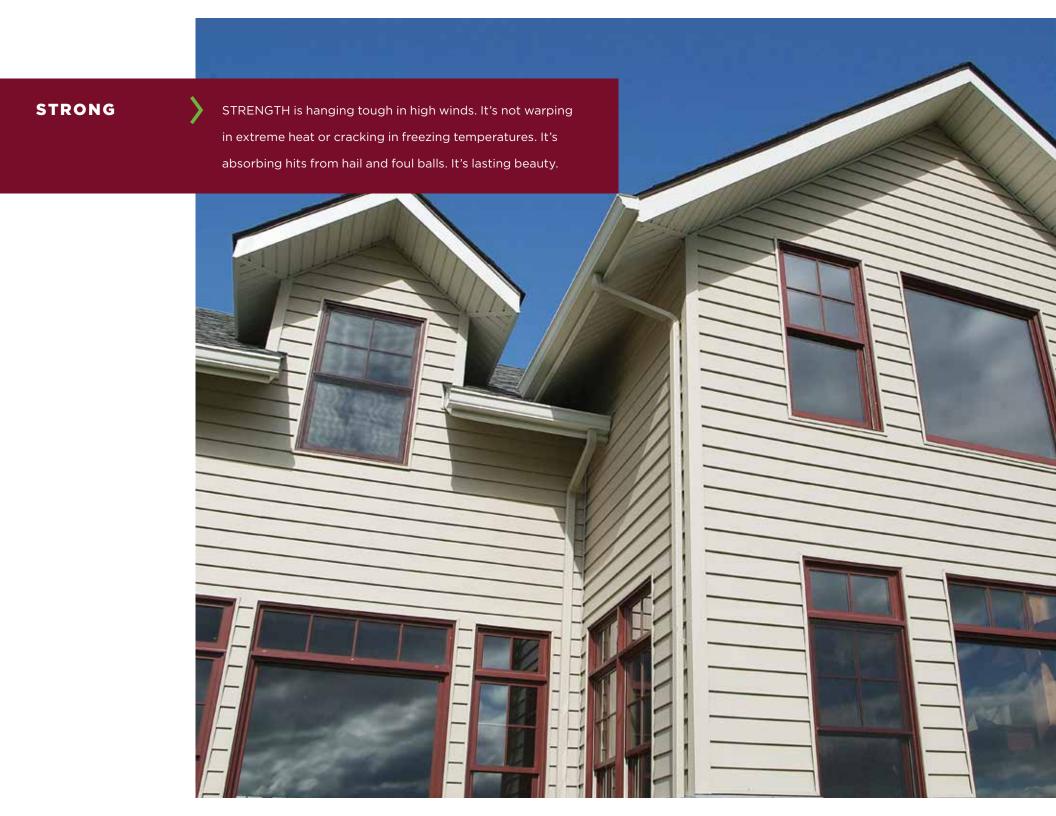
CLASSIC CREAM

CAMEO

SAGE DESERT SAND CLASSIC CREAM CAMEO

ALL ALL ALL









# Up to 300% more impact resistance

The EPS foam bonded to our panel acts as a shock absorber to provide up to 300% more impact resistance than standard vinyl siding. In testing, Structure® Home Insulation System™ withstood hammer blows that damaged lesser siding products.

# Strong

# STRUCTURE® HOME INSULATION SYSTEM™ PROVIDES GREATER STRUCTURAL

INTEGRITY. The foam backing, double nail hem and secure locking system create stronger, more rigid panels with tighter seams.





# BIGGER, BEEFIER NAIL HEM AND LOCK (Single 7" and Double 6")



# **PATENTED T3-LOK®**

Unique design tightens lock under pressure so siding stays put even in challenging weather.

# THICKER IS BETTER

Up to 1-1/4" of EPS insulation to absorb impacts without denting.

# HANG-TOUGH™ TECHNOLOGY

Exclusive formulation makes panels more resistant to cracking, impact and thermal distortion.

# **LARGER 3/4" PANEL PROJECTION**

Improves strength, stability, wind resistance, and creates a more realistic shadow line.

190 MPH WIND SPEED RATED UP TO 190 MPH



# **16' 8" LONG LENGTH PANELS**

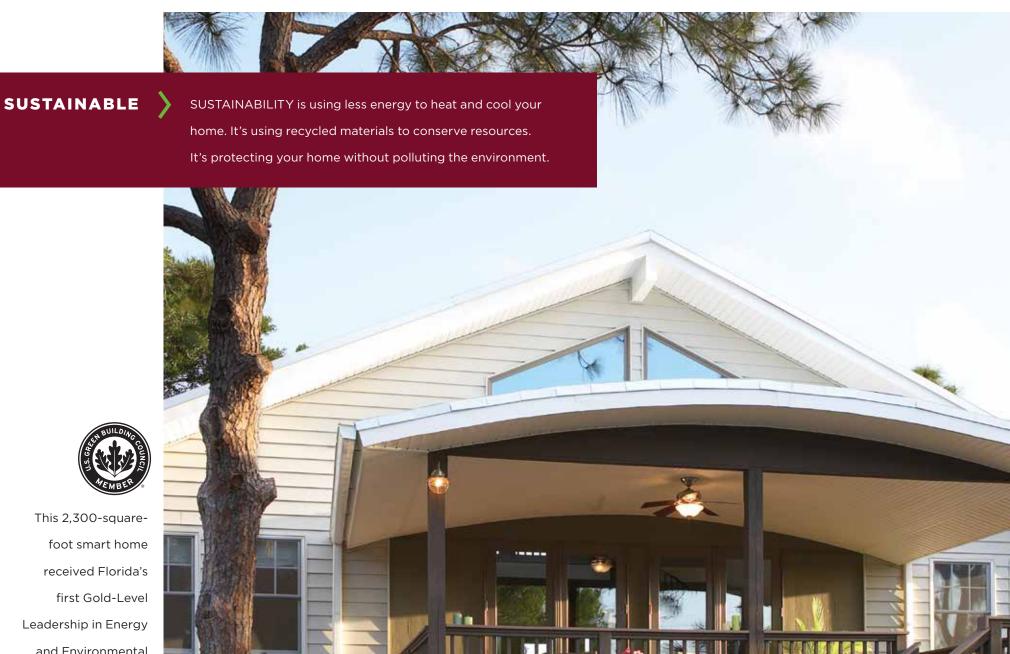
For virtually no seams and a cleaner, more professional look. Ideal for larger homes.

# **COLOR-THROUGH TECHNOLOGY**

Color runs throughout the panel so nicks and scratches won't mar the appearance.

# **DURANYL 5000°**

adds extra UV protection to resist fading and weathering.





This 2,300-squarefoot smart home received Florida's first Gold-Level Leadership in Energy and Environmental Design (LEED) home certification using Structure® Home

 $Insulation \ System^{\scriptscriptstyle \mathsf{TM}}.$ 



# A greener choice for your home

Structure® Home Insulation System™ can help you meet your sustainable building goals. It's engineered to last a lifetime. It never needs painting or staining (unlike fiber cement, which requires repainting over time). And its thick layer of insulation boosts the R-value of your exterior walls, reducing energy consumption and helping to shrink your carbon footprint.

# **CONTAINS 50% RECYCLED CONTENT**

Structure® Home Insulation System™ contains a minimum of 50% recycled content. Our efficient manufacturing process results in virtually zero waste.



## MADE FROM ABUNDANT NATURAL RESOURCES

The vinyl in our panels is derived from two natural resources: salt (57%) and natural gas (43%). Additives such as stabilizers and antioxidants increase durability and enhance performance.



# CONTRIBUTES TO GREEN BUILDING CERTIFICATION

Structure® Home Insulation System™ can help you earn LEED® and NAHB green building certification. For details, refer to the Building to Make a Difference white paper available at mastic.com.

# **ENVIRO SNAP SHOT:**

LEED For Homes — Possible Points

1 – 37

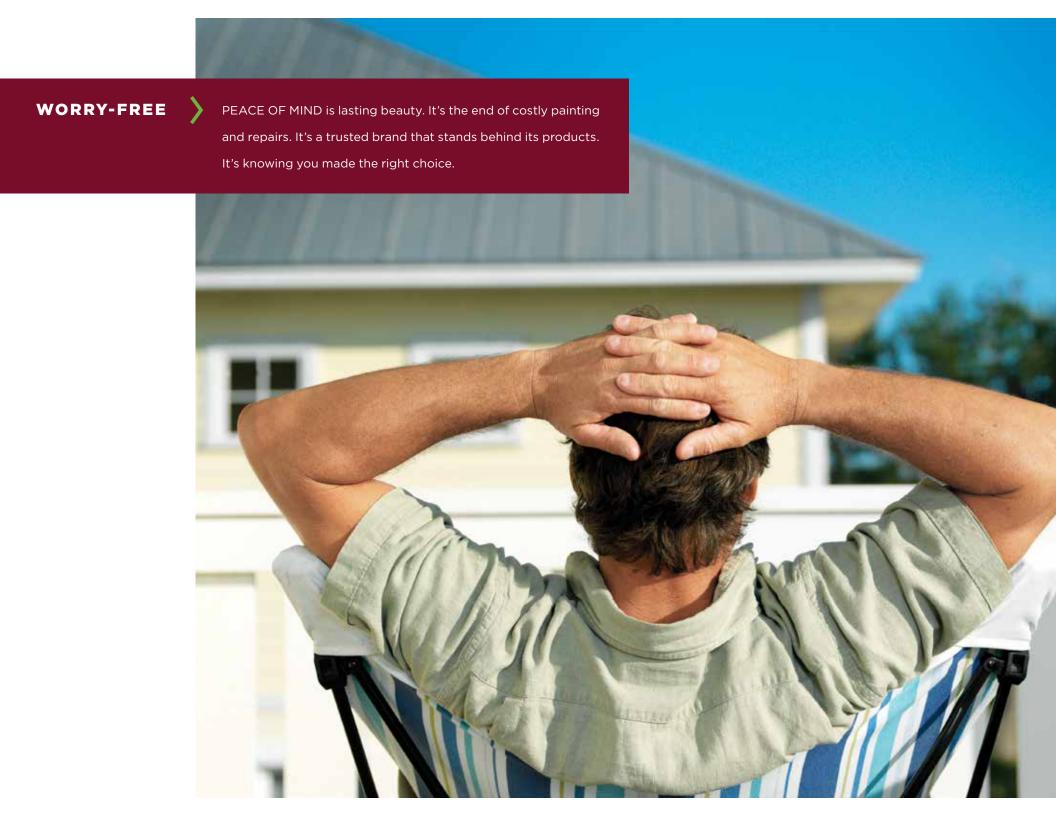
LEED New Construction — Possible Points

3 – 12

NAHB Standards — Possible Points

61 – 192









# There's no better choice for your home

When you combine lasting beauty with a lifetime of low maintenance and greater comfort, it's hard to beat. Add up the savings on painting, repairs and monthly energy bills and Structure® Home Insulation System™ looks even better. To learn more, ask your Mastic contractor for color samples and product specifications.

# Worry-Free

### LIFETIME WARRANTY

Structure® Home Insulation System™ is backed by our

V.I.P. Limited Lifetime Warranty, which covers against

manufacturing defects, excessive fading and hail

damage for as long as you own your home. To protect

your investment, the warranty is transferable in the event

you sell your home. (See warranty for details.)

# THIRD-PARTY TESTED FOR QUALITY

In addition to our own quality controls, Structure\*
Home Insulation System™ is tested and inspected
by a third party for color retention, consistency,
weatherability, impact strength and windload
resistance (ASTM D6864, D3679).

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

### **NEVER NEEDS PAINTING OR STAINING**

Unlike wood, stucco or fiber cement, Structure\* Home
Insulation System™ never needs painting or staining,
which saves you time and money year after year.



**COMPARE MAINTENANCE COSTS** 

Structure: \$5 (just soap and water)

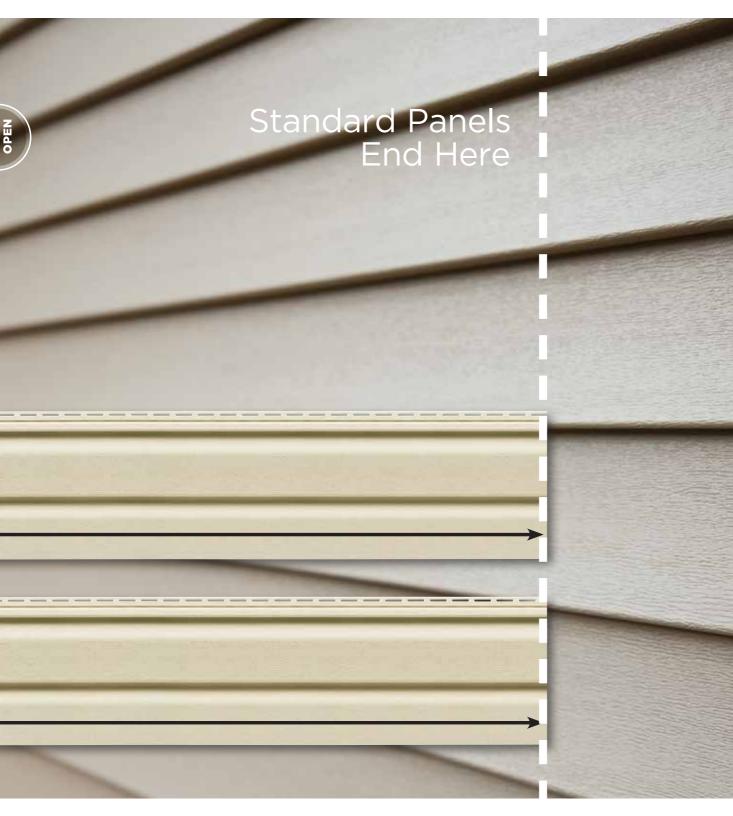
Other cladding options: up to \$5,000 (Based on typical prep, caulking and repainting of the average home)













Unlike standard lap siding, which has flat panels that overlap each other at an angle, Dutch Lap has a decorative groove between the laps. This groove improves strength, adds depth and creates wider shadow lines. It's a popular choice for Colonial and Victorian-style homes, as well as hipped-roof styles such as Prairie. Each Double 4.5" DL panel includes two fourand-a-half-inch-wide laps per panel.



HADROD GDEV

EVERES

SCOTTISH THISTLE

PEBBLESTONE CLAY

VICTORIAN GRE'

WICKED

SANDTONE

SAGE

ESERT SAND

CLASSIC CREAM

CAMEO



# 06

The Double 6" traditional lap style offers wide laps that bring a classic look to almost any home.

Traditional lap siding has flat panels that overlap each other at an angle.

Each D6 panel includes two six-inch-wide laps on each panel.



RUSSET RED PREMIUM

RUGGED CANYON PREMIUM

DEEP GRANITE PREMIUM

QUIFT WILLOW PREMIUM

MONTANA SLIEDE PREMIUM

MISTY SHADOW PREMIUM

VINEYARD GROVE PREMIUM

AUTUMN HARVEST PREMIUM

CORN SILK

HARROR GREY

**EVEREST** 

SCOTTISH THISTLE

PEBBLESTONE CLAY

VICTORIAN GREY

WICKER

ANDTONE

AGE

DESERT SAND

CLASSIC CREAM

AMEO



The Single 7" style is right at home on a traditional or contemporary house. It offers a classic lap board look with wide 7-inch panels. The foam backing supports the panel and gives it the solid look and feel of wood lap siding.



CLASSIC CREAM





# Complete exterior solutions

Whether you're remodeling or building a new home, count on Mastic Home Exteriors for a comprehensive range of top-quality products engineered to work together. Backed by an industry leader trusted for generations.







# Finish your home with style and charm

Choose the distinctive detailing of lineals and corner posts to add a touch of elegance to your home's exterior... or for more flair, consider adding the traditional beauty of crown molding to your soffit. Each accessory is specifically designed for use with the Structure\*

Home Insulation System\*\*
for a cleaner look and a uniquely detailed touch.

# Accessories

### **CROWN MOLDING**

The contoured shape of our crown molding adds an elegant, beautifully crafted transition from wall to soffit.



# **OUTSIDE CORNERS**

Wider 5" corners add drama and substance. Color options add character and distinctive style.



### WINDOW FINISH

Our wider lineals add authentic architectural detail around windows and doors, and at corners.



### **INSIDE CORNERS**

Bring your walls together with an architecturally correct concave inside corner.



# A HEALTHY RESPECT FOR THE PLANET — AND OUR CUSTOMERS.



Mastic Home Exteriors by Ply Gem can help you meet your sustainable building goals and earn points in leading green building certification programs. Our products offer features that positively contribute to sustainable practices, improved energy efficiency or lifecycle benefits of homes. All are important aspects of sustainable building and reflect Mastic's contribution to the Ply Gem Enviro initiative.



For more information on how Mastic products can help you meet your sustainable building goals, refer to the Mastic *Building to Make a Difference* white paper available at mastic.com.



# SUSTAINABLE RESOURCES:

- Mastic vinyl siding is manufactured from two abundant natural resources: salt (57%) and natural gas (43%).<sup>1</sup>
- During the manufacturing process of our vinyl siding, all unused material is reclaimed and reused, creating one of the most efficientlyproduced exterior claddings available today.
- The Structure<sup>®</sup> Home Insulation System<sup>™</sup> has been third-party verified and Green Circle certified to contribute towards achieving LEED<sup>®</sup> and NAHB credits, utilizing post-consumer and post-industrial recycled material.
- When installed and used properly, Mastic products never require paint or stain, which reduces VOCs released into the atmosphere.
- Mastic Performance Metals have been third-party verified and Green Circle certified to contain a minimum of 67% recycled content.
- Ply Gem 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.<sup>2</sup>
- 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.

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. <a href="http://www.vinylsiding.org/greenpaper/">http://www.vinylsiding.org/greenpaper/</a>

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 $^{\rm 3}$  R means resistance to heat flow. The higher the R-value, the greater the insulating power.



# LIFECYCLE BENEFITS:

- 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% of the aluminum can be recycled.



# INSULATED VINYL SIDING ENVIRO SNAP SHOT:

LEED For Homes — Possible Points

1 - 37

LEED New Construction — Possible Points

3 - 12

61

26

NAHB Standards — Possible Points

61-192



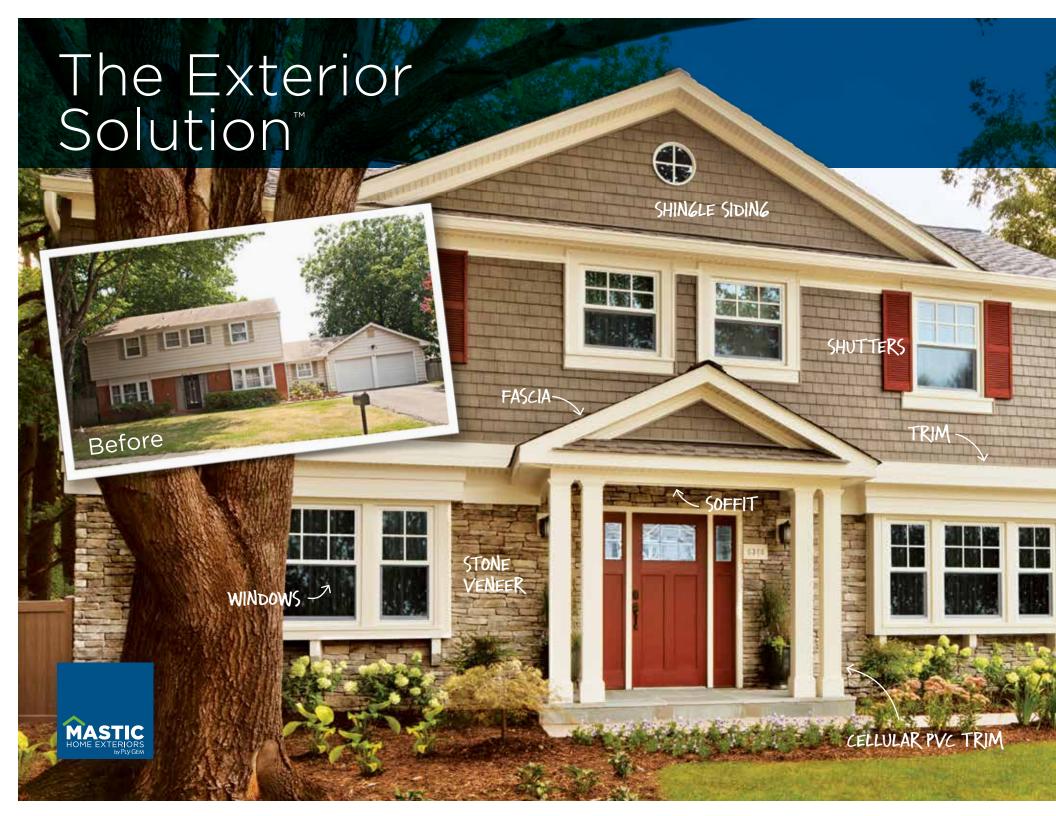


Looking for Mastic products with features that can contribute to overall energy savings, lower maintenance and reduced environmental impact? These logos identify products recognized by third parties as supporting green building practices.





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.





# Get Started



Scan the QR code to get started on your dream home exterior or visit www.mastic.com/getstarted.

1 DREAM

THE DESIGNED EXTERIOR™
FIELD GUIDE

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

home.

(2) COLOR

MASTIC COLOR ADVISOR IPAD® APP

Offers a choice of three simple ways to find a color palette that fits you and your home exterior perfectly.



(3) VISUALIZE

THE DESIGNED EXTERIOR STUDIO

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



4 PREVIEW

DREAMHOME PROFESSIONAL

Use a photo of your home to see a realistic image of a Designed Exterior on your house. *Ask your* builder or remodeler.



# MASTIC HOME EXTERIORS. THIS IS THE EXTERIOR SOLUTION.



SIDING | PERFORMANCE METALS | RAIN REMOVAL | DESIGNER ACCENTS | DOOR SURROUNDS | SOFFIT + FASCIA | SHUTTERS





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