



STRUCTURE > HOME INSULATION SYSTEM™ • LONG LENGTH PANELS



Mastic products are backed by Ply Gem — a 75-year leader in pioneering performance home exteriors, with a superior warranty for exactly the home you want for decades to come. Homeowners can feel confident knowing Ply Gem always goes the extra mile. From innovative engineering to trend setting design and industry leading warranties, we're a company you can trust with products you'll love.



COVER IMAGE: Structure Home Insulation System™
Double 6" and Cedar Discovery Double 7"
Perfection Shingles in Everest



STRUCTURE[®] HOME INSULATION SYSTEM[™]

The solid look of wood. The low maintenance of vinyl. The comfort of a thick layer of insulation. It's a combination that enhances curb appeal, lowers energy bills and adds value. It's a system that improves your quality of life.

INSULATED



COMFORT is a thick layer of insulation surrounding your home. It's being warm in winter and cool in summer. It's keeping unwanted noise out. It's saving energy year-round.



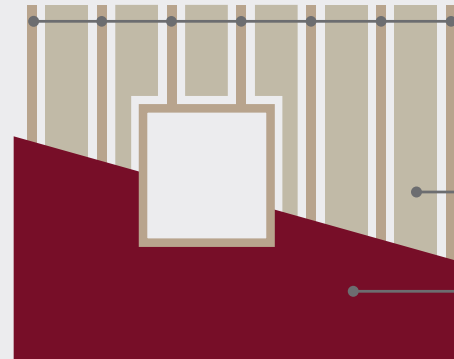


A continuous blanket of insulation

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.

StructureHome 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.

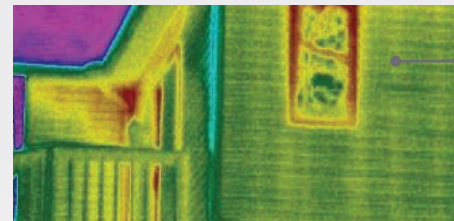
STUDS IN YOUR WALL TRANSFER HEAT. COVERING THEM WITH INSULATION SAVES ENERGY.



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

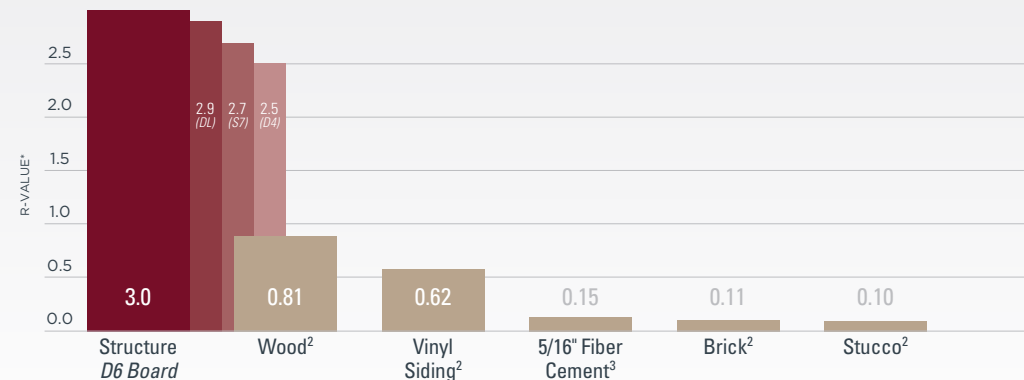
Insulation between the wood studs in an exterior wall.

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.¹

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



*R-value means resistance to heat flow. The higher the R-value the greater the insulating power.

¹Side-by-Side, All Siding Isn't Created Equal, Page 3, by Insulated Siding with Fullback Technology™, Progressive Foam.

²<http://www.progressivefoam.com/replacing-vinyl-siding>

³http://www.icc-es.org/reports/pdf_files/NES/NER405.pdf



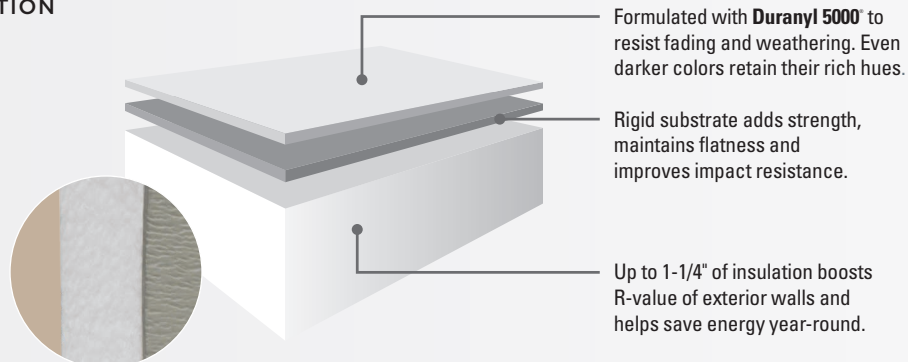
Protects inside and out

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.

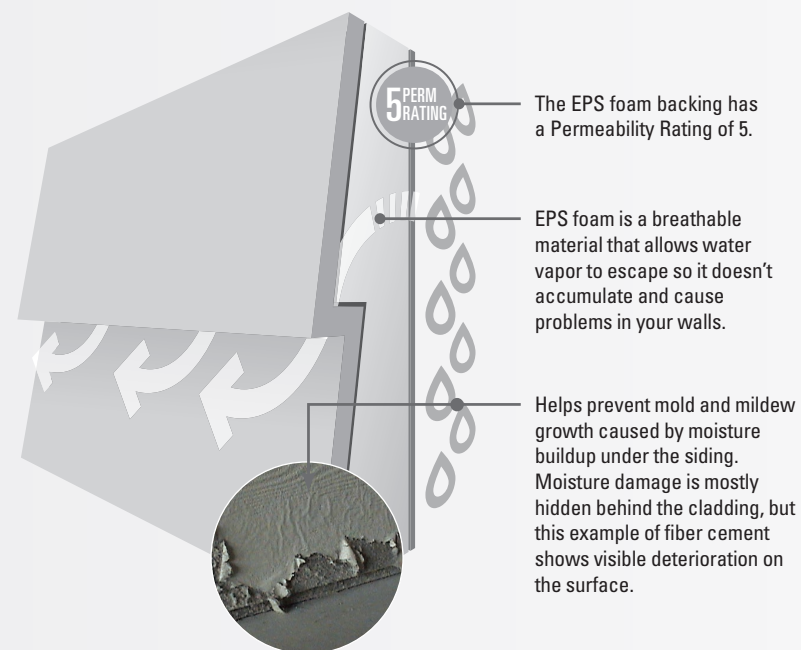
Like today's high-performance clothing, Structure Home Insulation System allows moisture generated by your daily activities to escape while protecting you from the elements.

Insulated

TRIPLE PROTECTION AGAINST THE ELEMENTS



BREATHABLE INSULATION FOR A HEALTHIER HOME





BEAUTIFUL



BEAUTY is in the look and feel of solid wood. It's an authentic cedar grain with a low-maintenance finish. It's wide panels with dramatic shadow lines. It's the best-looking house on the block.





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
LONG LENGTH PANELS,
YOU CAN REDUCE OR
EVEN ELIMINATE SEAMS**

Beautiful





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

S7^L SINGLE 7"
LONG LENGTH

D6^L DOUBLE 6"
LONG LENGTH

DL^L 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.

DEEP COLORS

RUSSET RED **PREMIUM**

D6^L

RUGGED CANYON **PREMIUM**

D6^L S7^L

DEEP GRANITE **PREMIUM**

D6^L

QUIET WILLOW **PREMIUM**

D6^L S7^L

MONTANA SUEDE **PREMIUM**

D6^L S7^L

MISTY SHADOW **PREMIUM**

D6^L

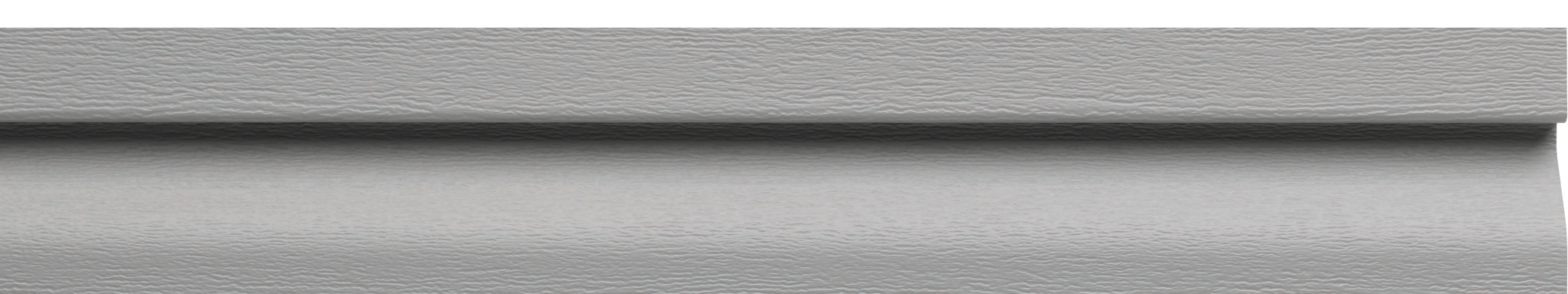
VINEYARD GROVE **PREMIUM**

D6^L

AUTUMN HARVEST **PREMIUM**

D6^L

INTERACTIVE DESIGN TOOL 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.



CLASSIC COLORS

CORN SILK

DB¹

HARBOR GREY

ALL

EVEREST

ALL

SCOTTISH THISTLE

ALL

PEBBLESTONE CLAY

ALL

LIGHT COLORS

VICTORIAN GREY

ALL

WICKER

ALL

SANDTONE

ALL

SAGE

ALL

DESERT SAND

ALL

CLASSIC CREAM

ALL

CAMEO

ALL

WHITE

ALL

STRONG



STRENGTH is hanging tough in high winds. It's not warping in extreme heat or cracking in freezing temperatures. It's absorbing hits from hail and foul balls. It's lasting beauty.





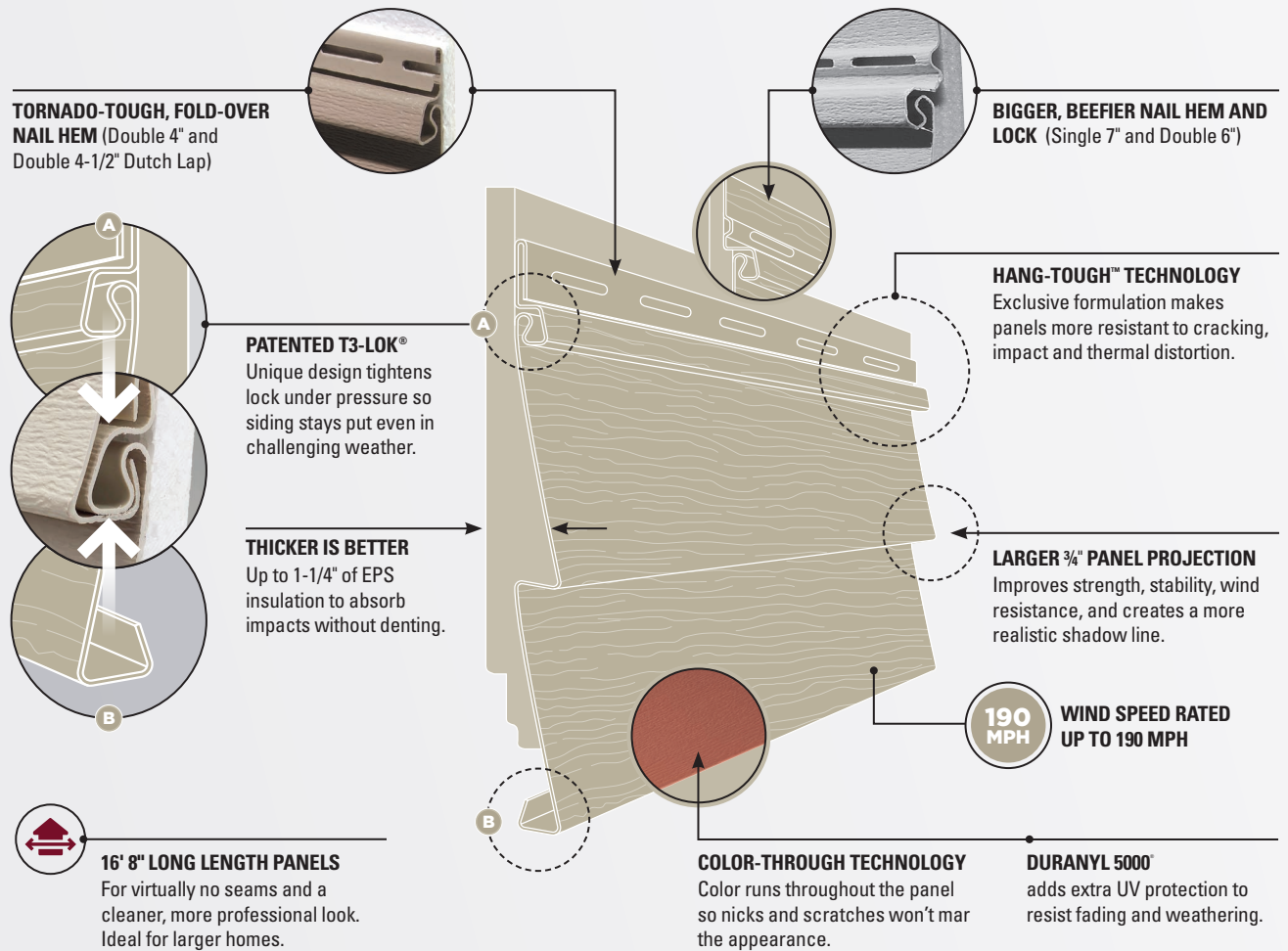
Up to 300 percent more impact resistance

The EPS foam bonded to our panel acts as a shock absorber to provide up to 300 percent 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.



SUSTAINABLE

SUSTAINABILITY is using less energy to heat and cool your home. It's using recycled materials to conserve resources. It's protecting your home without polluting the environment.



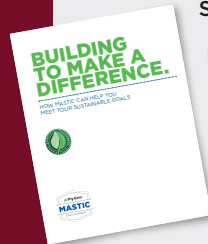
This 2,300-square-foot smart home received Florida's first Gold-Level Leadership in Energy and Environmental Design (LEED) home certification using Structure Home Insulation System.





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.



Sustainable

MADE FROM ABUNDANT NATURAL RESOURCES

The vinyl in our panels is derived from two natural resources: salt (57 percent) and natural gas (43 percent). 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

WORRY-FREE



PEACE OF MIND is lasting beauty. It's the end of costly painting and repairs. It's a trusted brand that stands behind its products. It's knowing you made the right choice.





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

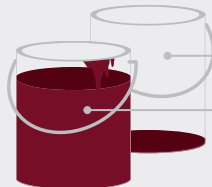
Unlike wood, stucco or fiber cement, Structure Home Insulation System never needs painting or staining, which saves you time and money year after year.



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)



**VIRTUALLY
SEAM-FREE
APPEARANCE**



The longer lengths of Structure Home Insulation System panels keep seams to a minimum, add aesthetic appeal, shorten installation time and reduce waste. It's a beautiful thing for homeowners and installers alike.

STANDARD LENGTH

← 12' 1", 12' 3" and 12' 6" →



See the difference
a 30 percent longer
panel can make in
the appearance of
your home.



**AVERAGE NUMBER
OF SEAMS**
Standard Length
panels measure 12'



**SIGNIFICANTLY
FEWER SEAMS**
Structure Long Length
panels measure 16' 8"
(One-third longer than
standard 12' panels)

Structure
Panels Ke



Long Length Step Going

It's simple math: longer panels mean fewer seams. With 16' long length panels, you can reduce or even eliminate seams. And when using Structure Home Insulation System, any remaining seams tightly overlap and lay flat, almost disappearing on the wall. Get a seamless look without the seamless cost.

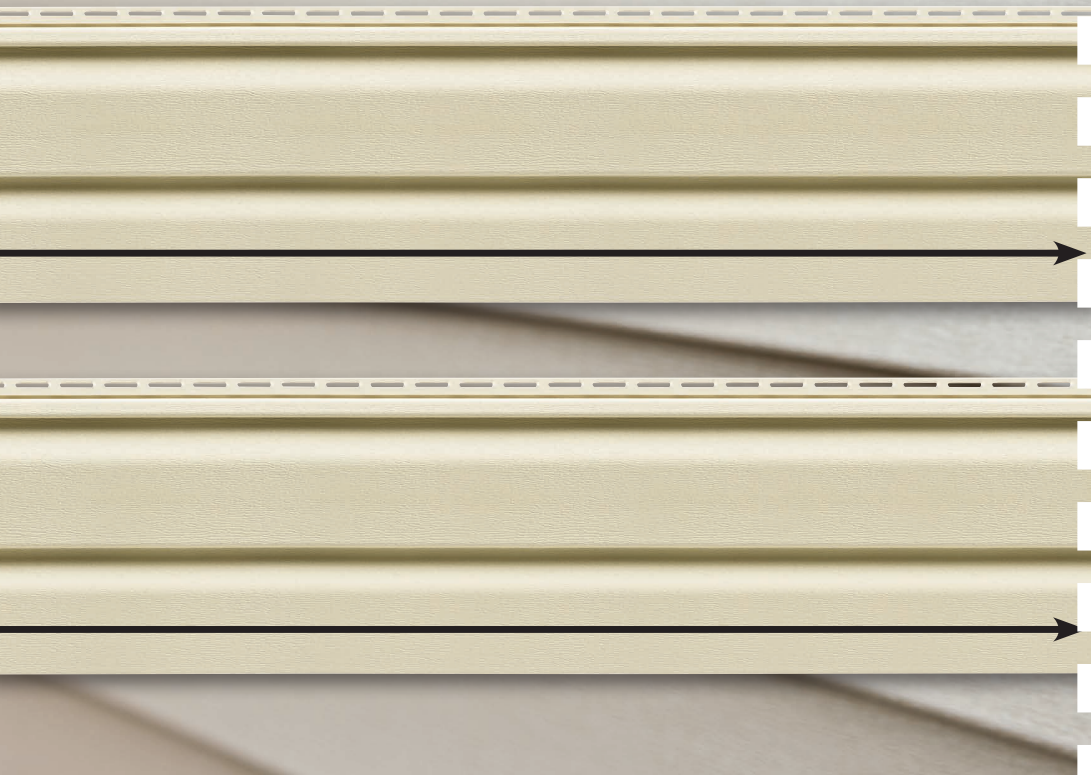


LONG LENGTH

16' 8" →

OPEN

Standard Panels
End Here



DL



DOUBLE 4.5"
DUTCH LAP
R-VALUE: 2.9

DL

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 four-and-a-half-inch-wide laps per panel.



HARBOR GREY

EVEREST

SCOTTISH THISTLE

PEBBLESTONE CLAY

VICTORIAN GREY

WICKER

SANDTONE

SAGE

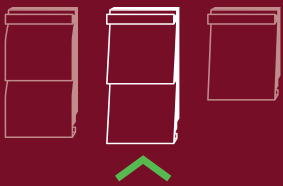
DESERT SAND

CLASSIC CREAM

CAMEO

WHITE

D6



DOUBLE 6"
TRADITIONAL LAP
R-VALUE: 3.0

D6

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.



Structure Home Insulation System Double 6" in Everest

RUSSET RED PREMIUM

RUGGED CANYON PREMIUM

DEEP GRANITE PREMIUM

QUIET WILLOW PREMIUM

MONTANA SUEDE PREMIUM

MISTY SHADOW PREMIUM

VINEYARD GROVE PREMIUM

AUTUMN HARVEST PREMIUM

CORN SILK

HARBOR GREY

EVEREST

SCOTTISH THISTLE

PEBBLESTONE CLAY

VICTORIAN GREY

WICKER

SANDTONE

SAGE

DESERT SAND

CLASSIC CREAM

CAMEO

WHITE

S7



SINGLE 7"
TRADITIONAL LAP
R-VALUE: 2.7

S7

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.



Structure Home Insulation System Single 7" in Sage

RUGGED CANYON [PREMIUM]

QUIET WILLOW [PREMIUM]

MONTANA SUEDE [PREMIUM]

HARBOR GREY

EVEREST

SCOTTISH THISTLE

PEBBLESTONE CLAY

VICTORIAN GREY

WICKER

SANDTONE

SAGE

DESERT SAND

CLASSIC CREAM

CAMEO

WHITE







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

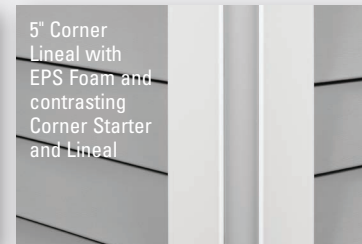
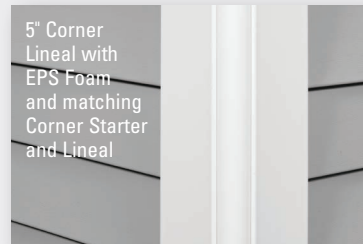
CROWN MOLDING

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.



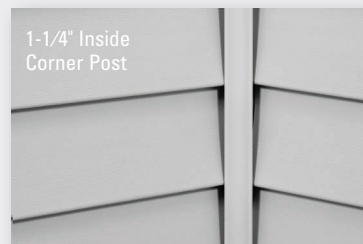
WINDOW FINISH

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



INSIDE CORNERS

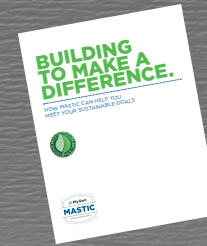
Bring your walls together with an architecturally correct concave inside corner.



A HEALTHY RESPECT FOR THE PLANET — AND OUR CUSTOMERS.



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 foundational elements of sustainable building reflected in Ply Gem's Enviro initiative.



For more information on how Mastic products can help you meet your sustainable building goals, refer to our *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 percent) and natural gas (43 percent).
- 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.
- Mastic Performance Metals[®] have been third-party verified and Green Circle certified to contain a minimum of 67 percent 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.
- 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-value[®] 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.

"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. <<http://www.vinylsiding.org/greenpaper/>>

Ibid, page 10

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



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.



INSULATED VINYL SIDING ENVIRO SNAP SHOT:

LEED For Homes — Possible Points

1 - 37 61

LEED New Construction — Possible Points

3 - 12 26

NAHB Standards — Possible Points

61-192



Home Innovation
NGBS GREEN CERTIFIED™

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.



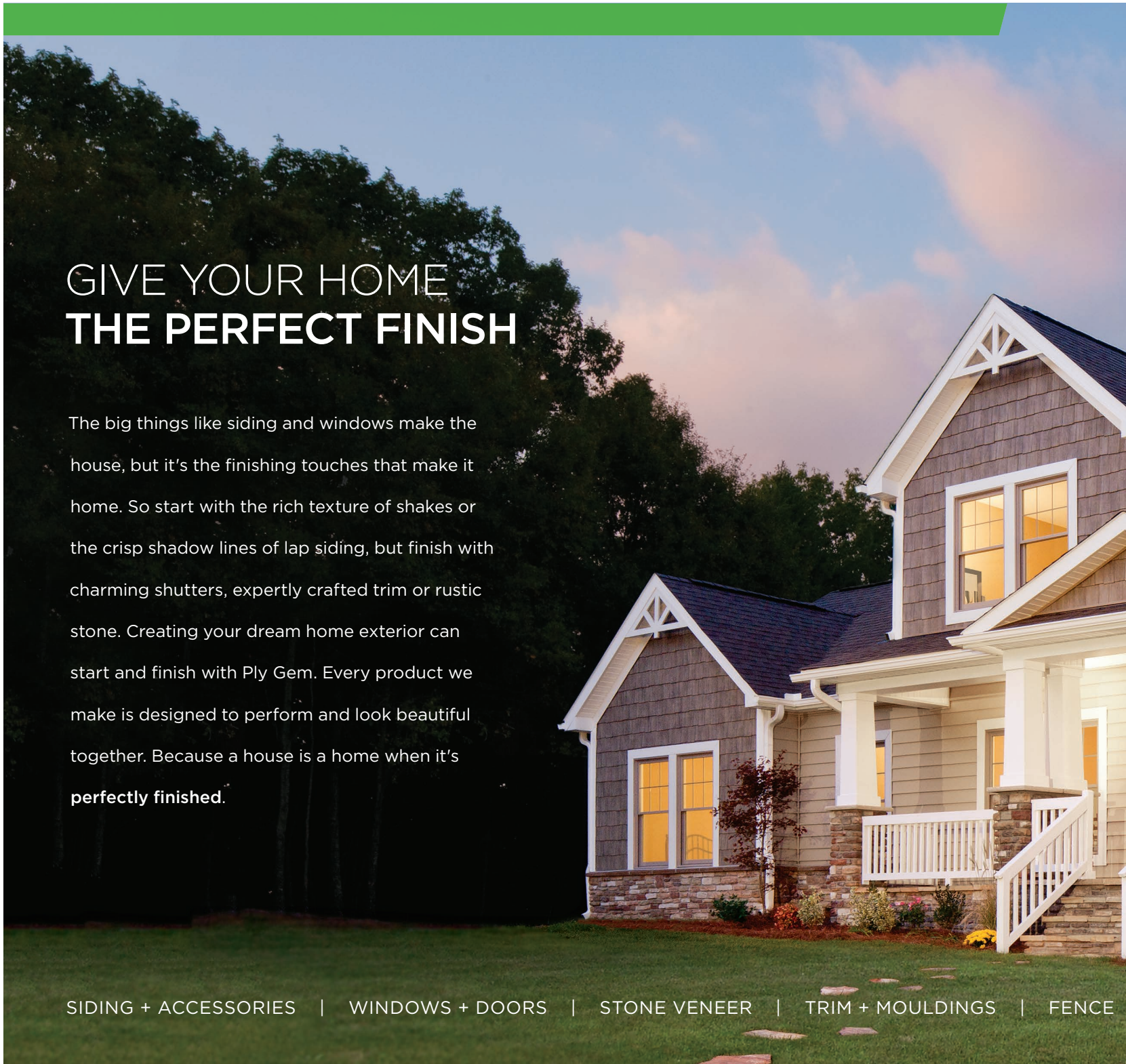
Mastic supports green building and it shows. We are active members of both the USGBC and NAHB — two key organizations that are working to define sustainable building practices.



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 Ply Gem. 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





+ RAILING | ROOFING



Get Started

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

1 DREAM

DESIGN FIELD GUIDE

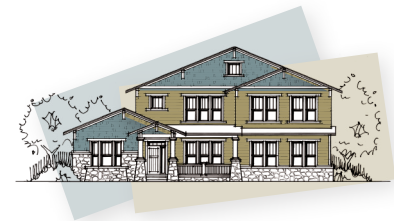
A series of amazing exterior transformations that will inspire ideas for your own home.



2 ADD COLOR + VISUALIZE

THE INTERACTIVE DESIGN TOOL

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



3 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.*





THE PLY GEM PROMISE

Mastic products are backed by Ply Gem — a 75-year leader in pioneering performance home exteriors, with a superior warranty for exactly the home you want for decades to come.



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