STRUCTURE® EPS INSULATED SIDING
PREMIUM VINYL SIDING

MASTIC HOME EXTERIORS
true to life
Structure® EPS Insulated Siding adds a continuous blanket of insulation to the outside of your home. It improves your energy efficiency, reduces outside noise and makes your home more comfortable year-round.
Structure® EPS Insulated Siding Double 6” in Everest. Also Cedar Discovery® Double 7” in Everest.
STRUCTURE® EPS INSULATED SIDING GIVES HOMEOWNERS WHAT THEY WANT.

PROFESSIONAL BUILDER’S TOP NEW 100 PRODUCTS AWARD
Structure EPS Insulated Siding, a Mastic Home Exteriors insulated vinyl siding product, was named one of the 100 Best New Products in 2007 by Professional Builder magazine.

STRUCTURE EPS INSULATED SIDING RECEIVES 2008 REMODELING & MAKEOVER AWARD
Structure EPS Insulated Siding was honored by Woman’s Day Remodeling & Makeovers magazine with a 2008 Remodeling & Makeover Award for its energy-efficient design and innovation. Structure EPS Insulated Siding was one of 15 products to make the fourth annual Remodeling & Makeover Award list, which included several sustainable products.

VINYL SIDING IS THE #1 CLADDING CHOICE
Vinyl siding gives homeowners what they say they are looking for: durable, low-maintenance curb appeal that’s backed by a strong warranty. Is it any wonder it’s the most popular exterior cladding in the U.S. and Canada?1

QUALITY PRODUCTS FROM THE INDUSTRY LEADER
Mastic invented vinyl siding — and for more than 50 years we have led the industry through design, innovation, undisputed quality, an exhaustive product collection and revolutionary color offerings.

1www.vinylsiding.org
December 2009
CHOOSING SIDES: HOW TO SELECT THE INSULATED SIDING THAT’S RIGHT FOR YOU.

Certain features can mean big differences in how your new siding looks and performs in the long run.

1. **Insulation Thickness and Strength.** Thicker EPS insulation provides more rigidity and muffles external noise. Structure® EPS Insulated Siding is manufactured using a special high-molecular weight resin formula. This high-performance formulation is easily recognized by its virgin white coloration and higher degree of strength.

2. **Vinyl Thickness and Weight.** Usually, a thicker panel lays flatter, hides imperfections in the wall and spans depressions. It’s also more impact resistant, so it stands up better to hail, stray baseballs and other impact damage. Insulated panels provide a backing that enhances the siding’s impact resistance.

3. **Panel Projection.** The projection provides stiffness that makes the panel stronger and more dimensionally stable. And provides higher wind resistance.

4. **Nail Hem.** The nail hem is the row of open slots through which siding is nailed to the exterior wall. Nail-hem strength determines how securely the siding panel will fasten to the wall and withstand hurricane-force wind loads.

Structure EPS Insulated Siding offers a bigger, beefier nail hem and lock. Structure EPS Insulated Siding (right) contains a bigger nail hem and lock, contributing to its powerful 190 mph wind speed rating.

Structure EPS Insulated Siding features one of the thickest insulated panels in the industry. In fact, it’s over 10% thicker than competitive panels — up to 1-1/4" real insulation.
Unfortunately, wide vertical (and highly visible) seams are all too common with many standard insulated products.

Vertical seams (above) are shorter, making them virtually invisible on Structure EPS Insulated Siding.

**PROFILE WIDTH.**
To make vertical seams less noticeable, avoid triple- or quad-stacked insulated siding panels. Wide vertical seams look unnatural and are usually much more visible than single- or double-stacked profiles.

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**COLOR.**
When selecting a color for your home, be sure to consider the environment and climate where you live. Generally, lighter colors reflect heat, while darker colors absorb heat. What’s more, dark colors are more susceptible to color change over time, especially in harsh climates. Compare color-hold technologies to make sure you’re getting a premium product that will stay beautiful for the long haul.

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**PRODUCT CERTIFICATION.**
Be sure to look for siding that is certified through the VSI Product Certification Program.

**VSI CERTIFIED INSTALLER PROGRAM.**
Proper installation performed by an experienced, VSI-Certified Installer is perhaps the single most important factor for success in your remodeling or construction project.

Go to [www.VinylSiding.org](http://www.VinylSiding.org) for a list of certified siding products and certified installers.

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**V.I.P. LIMITED LIFETIME WARRANTY.**
It’s always important to read and understand the fine print in the siding warranty before purchasing the product. Some “lifetime warranties” fail to cover basic things like hail damage or color fade. Remember, your siding warranty is only as good as the company that offers it, so be sure it is backed by a name you trust.
Guard against the elements.

Increased insulation means lower heating and cooling costs and a quieter home.

DESIGNED TO KEEP HEAT IN AND MOISTURE AWAY
From the bitter cold to the blistering heat, Structure® EPS Insulated Siding keeps all the harsh elements out so your home environment is more comfortable.

With a permeability rating of 5.0, Structure EPS Insulated Siding provides powerful insulation while allowing your home to breathe by releasing water vapor. Structure EPS Insulated Siding helps your home remain warm and dry.

Laboratory tests and years of field experience have proven that insulated siding products breathe and will not trap harmful water vapor in your home. Independent tests conducted by Architectural Testing, Inc., verified that large concentrations of water vapor can pass through control walls clad with insulated siding, leaving the walls’ structural components dry and free from mold and mildew.
How Structure® EPS Insulated Siding conserves energy.

More than half the heat loss in your home comes from two sources:

+ **Air infiltration.** Heat is lost through unsealed gaps and holes around windows, doors, the foundation, air vents and other openings.

+ **Wood framing.** Most wood-framed homes have insulation in the wall cavity between the framing studs only. In these homes, the stud becomes a thermal bridge. A thermal bridge is created when materials that are poor insulators come in contact, allowing heat to flow through the pathway. Wood framing studs, which comprise up to 25% of total wall space, provide a perfect pathway for heat loss.

Structure EPS Insulated Siding helps solve both problems by creating a layer of continuous insulation surrounding your home. First, it can cover many gaps and holes to prevent air infiltration. Second, it reduces heat loss through the studs, like a warm blanket that embraces your home.

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**STRUCTURE EPS INSULATED SIDING WRAPS YOUR WHOLE EXTERIOR WALL SPACE**

Up to 25% of your wall area is under-insulated because most homes are insulated between the wood framing studs only. When correctly installed, insulated siding that meets the R-value levels specified by the EPA can help meet the performance guidelines of an ENERGY STAR® qualified new home. Structure EPS Insulated Siding 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.

*R-value means resistance to heat flow. The higher the R-value the greater the insulating power.*
Reduce energy loss by adding Continuous Insulation to the exterior of the house.

Wrap your home in a warm blanket of insulation with Structure® EPS Insulated Siding. Compared to other typical cladding types, Structure provides a significant boost to the overall R-value of the wall system. It also decreases the transmission of outside noises into your home. The result is lower energy costs throughout the year and a much quieter and more comfortable home.

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


Structure EPS Insulated Siding
Thicker is better. Structure EPS Insulated Siding has up to 1-1/4” of real insulation.
Beauty that lasts. Based on an average-size home, repainting or staining can cost up to $6,000 every four years. Structure 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**

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<tr>
<th>YEARS IN HOME</th>
<th>4 YEARS</th>
<th>8 YEARS</th>
<th>12 YEARS</th>
<th>16 YEARS</th>
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<td>$6,000</td>
<td>$12,000</td>
<td>$18,000</td>
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**HANG-TOUGH™ TECHNOLOGY**

Exclusive formulation and process boost 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.

**PEACE OF MIND.**

**V.I.P. LIMITED LIFETIME WARRANTY**

Premium guarantee of lasting quality and peace of mind — backed by Mastic, a trusted industry leader for 50+ years. See warranty for complete details.

**BREATHE EASY**

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

Structure EPS Insulated Siding Double 6" in Quiet Willow.
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.

**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.

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

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

### ASTM Standards

<table>
<thead>
<tr>
<th>ASTM Standards</th>
<th>Mastic Performance</th>
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<tbody>
<tr>
<td>Withstand the impact of recommended installation procedures.</td>
<td>Mastic siding is designed and engineered to withstand impact beyond that required by ASTM D3679.</td>
</tr>
<tr>
<td>Stay on the house in heavy winds of at least 110 MPH.</td>
<td>Structure® EPS Insulated Siding is rated at up to 190 mph using an 8&quot; nailing pattern.</td>
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<td>Lay straight on a flat wall and not buckle under normal conditions.</td>
<td>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.</td>
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<tr>
<td>Withstand the effects of normal seasonal temperature fluctuations.</td>
<td>With our exclusive Duranyl 5000® Protection System and Hang-Tough™ Technology, Mastic products are engineered to persevere in the most extreme conditions.</td>
</tr>
<tr>
<td>Meet manufacturers’ advertised specifications for length, width, gloss and thickness — and have a minimum thickness of .035.</td>
<td>Structure EPS Insulated Siding features premium thicknesses of .046 and .044, 31% and 25% thicker than the minimum requirement.</td>
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Structure EPS Insulated Siding Double 6” in Desert Sand.
Structure® EPS Insulated Siding is designed to absorb the shock of everyday life.

With its combination of sturdy insulation, rigid paneling materials and superior lap design, Structure EPS Insulated Siding provides a premium level of home protection.

Structure EPS Insulated Siding’s design is so strong that it can absorb everyday impacts, providing additional security and dent resistance. It can take whatever Mother Nature (or the neighbor kids) throw at it.

The extra layer of insulation protects your home from harsh weather conditions like rain, sun and insect damage, all while filtering out external noises like wind and traffic.

Structure EPS Insulated Siding is tested tough for proven performance. On your home, tough is good. Structure EPS Insulated Siding is produced to rigid standards of toughness and reliability. Structure EPS Insulated Siding stands up to hammer blows, with a design that is up to 300% more impact resistant than standard vinyl siding.

Structure EPS Insulated Siding is 300% more impact resistant and 200% more rigid than standard vinyl siding.
MAINTENANCE
• Structure will never need painting, scraping or caulking.
• Fiber cement requires periodic maintenance to prevent it from absorbing moisture, which can make it crumble and delaminate. All seams must be caulked and any scratches, dents or chips touched up with paint to prevent moisture infiltration — and when they occur on the backs of the panels, they're hard to see and correct.

DURABILITY
• Structure is certified to withstand the impact of installation without chipping or cracking, and it won't buckle or warp under normal seasonal temperature changes. It will also keep its color without excessive fade.
• Fiber cement can be brittle and can crack and crumble under impact. It is also a painted surface, which will need to be repainted to stay looking fresh.

INSTALLATION
• Structure uses an engineered installation system that links panels together to ensure a tight, straight, beautiful fit against your home’s exterior.
• Fiber cement is installed by randomly nailing along one edge. Loose boards and minor flaws in exterior walls can require ugly face nailing to make the panels lay flat.
Structure® EPS insulated Siding Double 6” and Cedar Discovery® Half-Round in a custom color.
Vinyl siding gives homeowners what they want.

**DURABILITY.** If you’re looking for siding that is durable and low maintenance, and looks beautiful, Structure EPS Insulated Siding is the ideal choice. With Mastic’s exclusive Hang-Tough™ Technology, Structure EPS Insulated Siding will enhance your home’s appearance today — and for years to come.

**NO PAINT, NO STAIN, NO HASSLES.** Structure EPS Insulated Siding, a premium panel, never needs paint or stain. Unlike real wood siding or paint, it won’t crack, peel, flake or rot. Revolutionary technology like our Duranyl 5000® Protection System maximizes the panel’s weatherability and delivers additional protection — and peace of mind — for your investment.

**COLOR AND TEXTURE.** Featuring a realistic cedar grain, Structure EPS Insulated Siding is available in an extensive palette of 21 base colors, from rich deep colors to light neutrals.

**PEACE OF MIND THAT LASTS A LIFETIME.** Structure EPS Insulated Siding is backed by the Mastic V.I.P. Limited Lifetime Warranty — a real warranty backed by a solid company. Mastic has been a trusted industry leader for more than 50 years. Please see our warranty for complete details.
THE EXTERIOR SOLUTION FOR **Color.**

### Structure 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.

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<th>D4</th>
<th>D6</th>
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<tr>
<td></td>
<td>DOUBLE 4”</td>
<td>DOUBLE 4-1/2” DUTCH LAP</td>
<td>DOUBLE 6”</td>
<td>DOUBLE 6” LONG-16’8”</td>
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#### Deep Colors

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<th>Profile</th>
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<tbody>
<tr>
<td>RUSSET RED</td>
<td>D6</td>
<td>S7</td>
</tr>
<tr>
<td>ENGLISH WEDGEWOOD</td>
<td>D6</td>
<td>S7</td>
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<tr>
<td>RUGGED CANYON</td>
<td>D6</td>
<td>S7</td>
</tr>
<tr>
<td>DEEP GRANITE</td>
<td>D6</td>
<td>S7</td>
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#### Quiet Willow

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<tbody>
<tr>
<td>QUIET WILLOW</td>
<td>D6</td>
<td>S7</td>
</tr>
<tr>
<td>MONTANA SUEDE</td>
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#### Classic Colors

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<tbody>
<tr>
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<td>EVEREST</td>
<td>ALL</td>
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<td>SCOTTISH THISTLE</td>
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<td>PEBBLESTONE CLAY</td>
<td>ALL</td>
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See for yourself with Dreamhome. Choose a house from 20+ styles that best reflects your own home. And then bring your vision to life as you mix and match from our complete range of premium siding products and designer colors. Find Dreamhome at www.mastic.com/dreamhome.

LIGHT COLORS

VICTORIAN GREY
WICKER
SANDTONE
SAGE

DESERT SAND
SILVER GREY
ALMOND
CLASSIC CREAM

LINEN
CAMEO
WHITE
A BLANKET OF INSULATION THAT WRAPS YOUR HOME
Structure® EPS Insulated Siding adds a continuous blanket of insulation to the outside of your home. It improves energy efficiency, reduces outside noise and makes your home more comfortable year-round.

Each panel offers an increase in R-value for the wall system. R-value means resistance to heat flow. The higher the R-value the greater the insulating power.

5.0 PERMEABILITY RATING
Allows the home to breathe by releasing water vapor — keeping heat in and moisture away. Reduces factors that can contribute to the development of mold and deterioration caused by moisture buildup under the siding.

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Matching accessories available.
A full line of accessories specially designed for use with Structure® EPS Insulated Siding is readily available.
Genuine Mastic. First in home exterior products.
Florida’s first Gold-certified LEED home — features Structure® EPS Insulated Siding.

Florida’s first Gold-certified LEED home uses siding and soffit from Mastic Home Exteriors.

**SUSTAINABLE PRODUCTS, SMART HOME**

To create a genuinely green home, Darren Brinkley chose a mix of sustainable building products, repurposed materials and techniques.

For superior strength, style and performance, Structure EPS Insulated Siding and TradeMarkco® and Pro-Bead® vinyl soffit were used on the exterior of the home.

The selection of Structure EPS Insulated Siding provided a significant improvement in the home’s R-value (resistance to heat flow) and delivered wind load resistance of up to 190 mph — essential to the coastal region of Florida.

**STRIKING GOLD**

Selecting products such as Structure EPS Insulated Siding contributed to LEED points the project earned for construction materials.

As a part of the U.S. Green Building Council’s LEED for Homes pilot program, this home achieves not only the Gold standard for responsibility and efficiency, but also for health and safety.

Developer Darren Brinkley knows what goes into building one of the most sustainable homes in America. His 2,300-square-foot smart home received Florida’s first Gold-level Leadership in Energy and Environmental Design (LEED) home certification — one of only 33 in the nation.

“The light weight of vinyl siding makes it easier to transport, reducing its carbon footprint. The costs of manufacturing vinyl siding are lower, and less energy is used to make the product. It is also very durable and low maintenance,” says Brinkley. “I definitely think that vinyl siding has a place in green building.”
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.

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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%).
- All post-product scrap material created during the manufacturing process is reclaimed.
- Vinyl siding generates less construction site waste than cardboard packaging, brick or lumber.
- When installed and used properly, Mastic products never require paint or stain, which reduces VOCs released into the atmosphere.
- Mastic Performance Metals have been evaluated by a third party and are 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.
- Ply Gem works with its suppliers to recycle as many materials as possible, including cores, cardboard padding, paint totes, batteries, light bulbs, toner and paper.

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, insulated siding that meets the R-value levels specified by the EPA can help meet the performance guidelines of an ENERGY STAR qualified new home. Structure EPS Insulated Siding 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.

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% 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
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.
Inspiration. Just like that.
Do more than just change a wall — transform your home. The inspirational *Design Palettes by Mastic* puts your dream home exterior within reach.

Four distinctive Design Palettes coordinate color, texture and detail in variations that can serve as your inspiration or as the blueprint to realize your own dream. Talk to your builder or remodeler about how to get started. Call 800-962-6973 to request a free *Design Palettes* brochure. Or explore the possibilities for your home with the Dreamhome visualizer at www.mastic.com/dreamhome.