





No paint. No stain. No hassles. Structure[®] EPS Insulated Siding is bonded to one of the thickest insulations available. Up to 1-1/4" of real insulation increases the wall system's R-value to R4 — which increases performance up to 25%. And can reduce noise levels by as much as 30%. Structure EPS Insulated Siding delivers superior strength, beauty, style and performance.

One of the thickest insulations in the industry.

When it comes to insulation, thicker is better. Wrap your home in one of the thickest insulated siding products in the industry today. With Structure[®] EPS Insulated Siding, you'll add to your home's resistance to heat lost by R4. That's an average increase of 25% in your home's insulation. At the same time, you'll reduce the noise level by as much as 30% from outside sources. The result is lower energy costs throughout the year and a much quieter, more comfortable home environment.

AVERAGE ANNUAL ENERGY SAVINGS WITH STRUCTURE® EPS INSULATED SIDING



STRUCTURE EPS INSULATED SIDING Thicker is better. Structure EPS Insulated Siding is 10% thicker than standard insulated vinyl – up to 1-1/4" real insulation. It adds R4, which can increase your home's energy efficiency an average of 25%.

NOTES

- + Calculations are based on the 2006 average retail price of U.S. residential electric and natural gas via a sampling of cities throughout the country
- Electricity prices obtained from eia.doe.gov/cneaf/electricity/epm/table5_6_a.html.
- Natural gas prices obtained from tonto.eia.doe.gov/dnav/ng/ng_pri_sum_dcu_SMN_m.htm.
- + Energy savings calculated using dow.com/webapps/calculator/esc/ESC.asp.
- + Home specifications include 1,000 square feet of opaque wall area and an internal volume of 10,000 cubic feet.
- + Calculations include both heating and cooling savings over one year.
- + Projected savings including estimated air infiltration reduction of .25 ACPH.
- + Annual savings may vary due to climate fluctuations by region, actual configuration of home and siding installation techniques.
- + U.S. average heating and cooling costs obtained from energyhog.org/adult/savings_heating.htm.



STRUCTURE[®] EPS INSULATED SIDING GIVES CONSUMERS WHAT THEY WANT.

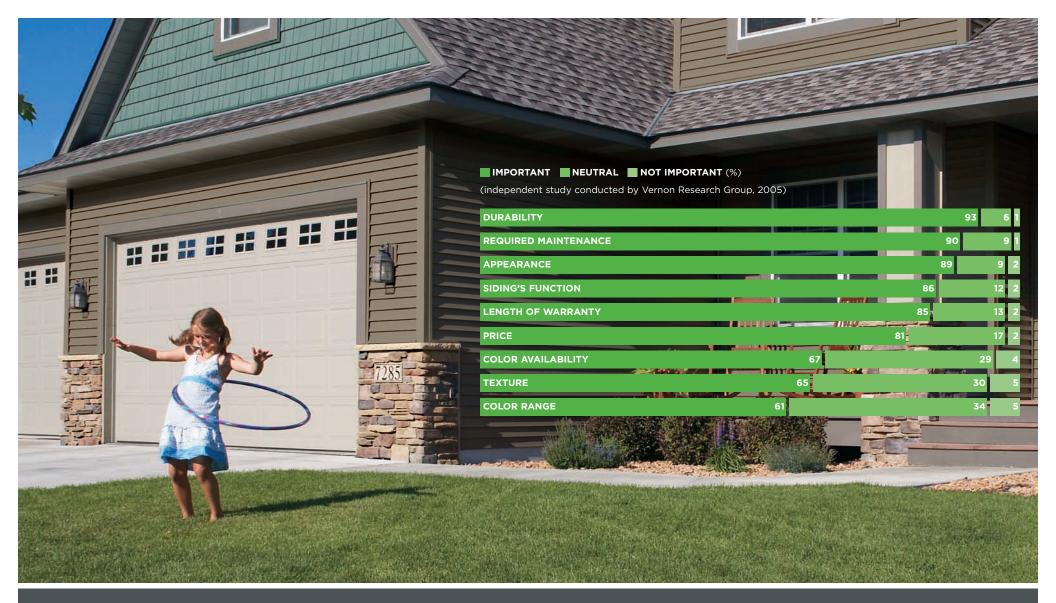


PROFESSIONAL BUILDER'S TOP NEW 100 PRODUCTS AWARD

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 *Women'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.



Structure[®] EPS Insulated Siding delivers.

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, 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 a virtually endless palette of colors — 21 base colors and more than 700 DreamColor[®] hues.

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.



ENERGY STAR

REAL INSULATION THAT'S ENERGY STAR® QUALIFIED

The Energy Star[®] label identifies energy-efficient products that meet strict guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy. Products that have earned the Energy Star[®] label help you save energy and money without sacrificing performance. By using less energy, these products also help reduce air pollution and global warming associated with energy production. When properly installed, Structure[®] EPS Insulated Siding can help meet the performance guidelines of an Energy Star[®] new home.

Guard against the elements.

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.



FORMULATED TO KEEP INSECTS AT BAY The last thing any homeowner needs is trouble with pests and insects. That's why we've treated Structure EPS Insulated Siding with borate — a powerful yet safe insect repellent that protects your biggest investment by helping to prevent infestations from unwanted pests.



DESIGNED TO KEEP HEAT IN AND MOISTURE AWAY Moisture trapped between siding and wood framing can cause big problems in your home. It can cause decay and dry rot to interior walls and promote growth of mold and mildew. This could mean costly repairs. 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 more than 17 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 wall's structural components dry and free from mold and mildew.

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

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 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.



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 traditional siding products.

Structure EPS Insulated Siding is 300% more impact resistant and 200% more rigid than standard vinyl siding.

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



Beats fiber cement siding...hands down.

Head to head and wall to wall, Structure EPS Insulated Siding outperforms fiber cement products in critical categories. While Structure EPS Insulated Siding goes on cleanly and stays on reliably season after season, fiber cement needs continual maintenance or it can absorb moisture, crumble and delaminate. This can happen most often at the ground level and everywhere seams are caulked. Mold and mildew can result. Even when installed according to manufacturer's instructions, fiber cement can sustain cracks and nail holes on the front and back of the plank, where they are often unseen by the homeowner. These voids provide the perfect environment for mold and mildew growth. Furthermore, some fiber cement produces silica dust during the installation process. Silica dust can cause lung disease.





Absorbed moisture can compromise the integrity of fiber cement, causing it to crumble and delaminate.

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.

INSULATION THICKNESS, BONDING AND R-VALUE.

Thicker EPS insulation provides more rigidity, noise reduction and at least a 3.8 R-value or greater. 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.



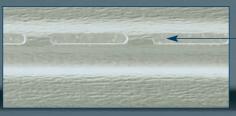
ENHANCED PANEL PROJECTION. Structure EPS Insulated Siding's larger panel projection will cast a more defined shadow line for improved aesthetics and curb appeal.

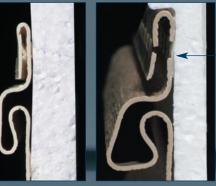
3 PANEL PROJECTION.

The panel projection provides stiffness that makes the panel stronger and more dimensionally stable. The panel projection provides higher wind resistance, making the panel stronger, more rigid and easier to install.

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 to hail, stray baseballs and other impact damage. Insulated panels provide a backing that enhances the siding's impact resistance.





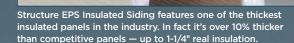
STRUCTURE EPS INSULATED SIDING OFFERS A BIGGER, BEEFIER NAIL HEM AND LOCK. Structure EPS Insulated Siding (right) contains a bigger nail hem and lock, contributing to its powerful 190 mph wind speed rating.

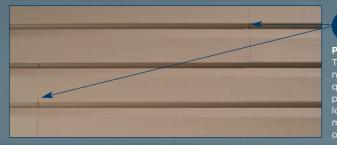
4

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.

A folded-over nail hem or a projected nail ridge/stop provides extra dimensional strength and a stronger anchoring surface. It also reduces the chance of driving nails too tightly against the wall, allowing horizontal expansion and contraction and preventing the siding panel from buckling.





PROFILE WIDTH.

5

To make vertical seams less noticeable, avoid triple- or quad-stacked insulated siding panels. Wide vertical seams much more visible than singleor double-stacked profiles.

6

7

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 particularly susceptible to color change over time, especially in harsh climates. Compare color-hold technologies to make sure you're

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

Unfortunately, wide vertical (and highly visible) seams are all too common with many standard insulated products.

VSI PRODUCT CERTIFICATION.

Be sure to look for siding that is certified through the VSI product certification program.

VSI CERTIFIED INSTALLER PROGRAM.

important factor for success in your remodeling or construction project.

Visit vinylsiding.org for more information.



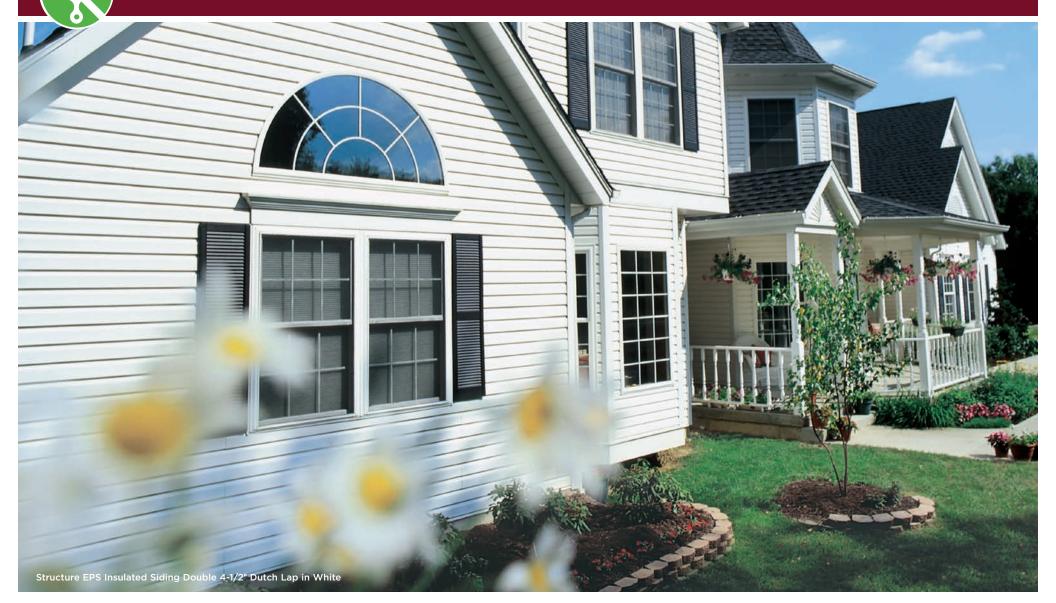


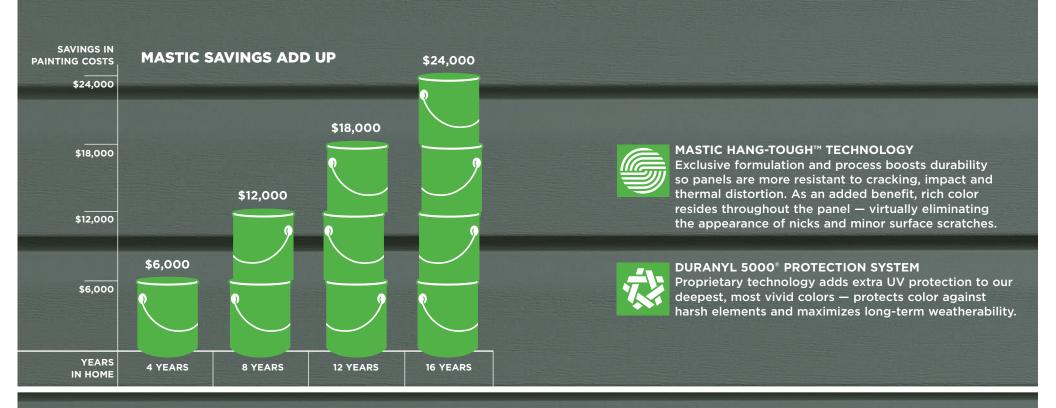
MASTIC V.I.P. LIMITED LIFETIME WARRANTY.

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.

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

NO PAINT. NO STAIN. NO HASSLES.





MASTIC 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.



Test our vinyl. We do. Rigorously. Relentlessly.



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.



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.

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



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.

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

Time-tested. VSI certified. And more.

The Vinyl Siding Institute (VSI) is dedicated to assuring vinyl siding delivers maximum performance in every application. Mastic vinyl siding products meet or exceed ASTM D3679 performance standards in the VSI certification program.

ASTM D3679 was developed by consensus through ASTM International, one of the largest standards
development organizations in the world. Vinyl siding that meets this ASTM standard will:

	VSI		MASTIC
	WITHSTAND THE IMPACT OF RECOMMENDED		Mastic siding is designed and engineered to withstand
	INSTALLATION PROCEDURES.		impact beyond that required by ASTM D3679.
	STAY ON THE HOUSE IN HEAVY WINDS OF AT LEAST 110 MPH.		Structure [®] EPS Insulated Siding is rated at up to 190 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
وسنبت فحروا سيتجرب فتعالج فسيترغي فيتحدث وتحاد			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.	<mark></mark>	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.		Structure EPS Insulated Siding features premium thicknesses of .046 and .044 — 31% and 25% thicker than the minimum requirement.

Florida's first Gold-certified LEED home — one of only 33 in the nation — features Structure® EPS Insulated Siding.

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

Want to know what goes into building one of the most sustainable homes in America? Developer Darren Brinkley does. 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.



SUSTAINABLE PRODUCTS, SMART HOME

- + To create a genuinely green home, Brinkley chose a mix of sustainable building products, repurposed materials and techniques.
- + For superior strength, style and performance, Structure® EPS Insulated Siding and Trade•Markcg® 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 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.

"The light weight of vinyl siding makes it easier to transport, thus lessening 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."



THE EXTERIOR SOLUTION FOR COLOR.

DEEP COLORS



HARBOR GREY SINGLE 7" DOUBLE 4" DOUBLE 4-1/2" DUTCH LAP DOUBLE 6" EVEREST SINGLE 7⁴ DOUBLE 4³ DOUBLE 4-1/2^a DUTCH LAP DOUBLE 6^a SCOTTISH THISTLE SINGLE 7* DOUBLE 4* DOUBLE 4-1/2* DUTCH LAP DOUBLE 6*

NEW

PEBBLESTONE CLAY SINGLE 7* DOUBLE 4* DOUBLE 4-1/2* DUTCH LAP DOUBLE 6*





Insulated Siding, when properly installed, can help meet the performance guidelines of an Energy Star® new home.

DOUBLE 4





PATENTED T3-LOK™

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



TORNADO-TOUGH, DOUBLE-THICK, FOLD-OVER NAIL HEM (DOUBLE 4" AND DOUBLE 4-1/2" DUTCH LAP)

Folds over on itself for greater stability – holds the panel so securely to the wall it can withstand winds up to 190 mph. Only Mastic invests the additional raw material, and time in the manufacturing process, to deliver a nail hem with this level of security to our customers.

BIGGER. BEEFIER NAIL HEM (SINGLE 7" AND DOUBLE 6")

Extended nail hem features projected, reinforced fastening.

THICKER IS BETTER

Structure EPS Insulated Siding is 10% thicker than standard insulated vinyl panels – hangs tough against severe impact, reduces noise levels and improves heat-loss resistance.



WIND SPEED - RATED UP TO 190 MPH

Mastic's proprietary design and engineering delivers a panel that achieves superior wind resistance.

ENHANCED 3/4" PANEL PROJECTION

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



300% MORE IMPACT RESISTANT and 200% MORE RIGID THAN STANDARD VINYL SIDING

Advanced engineering and design systems deliver superior strength and rigidity for a longer product life cycle. In actual testing, this panel withstood hammer blows that damaged lesser siding products.



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.



MASTIC 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.



CLASS 1(A) FIRE RATING



METRO-DADE COUNTY APPROVED

SINGLE 7

DOUBLE 6"



5.0 PERMEABILITY RATING

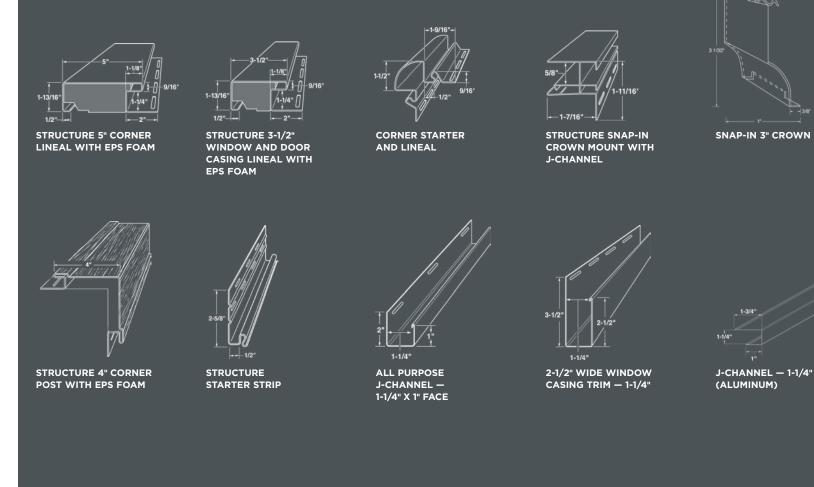
Allows the home to breathe by releasing water vapor – keeping heat in and moisture away.

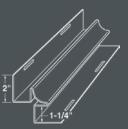
Reduces factors that can contribute to the development of mold and deterioration caused by moisture buildup under the siding.

DOUBLE 4-1/2"

DUTCH LAP

A full line of accessories specially designed for use with Structure[®] EPS Insulated Siding is readily available.





STRUCTURE INSIDE CORNER POST — 1-1/4"



FLEXIBLE J-CHANNEL - 1"

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 thermal "break" 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.





STRUCTURE EPS INSULATED SIDING WRAPS YOUR WHOLE EXTERIOR WALL SPACE

Up to 25% of your wall area is underinsulated because most homes are insulated between the wood framing studs only. Structure EPS Insulated Siding helps insulate your entire exterior wall space, including the studs, forming a complete insulating blanket that embraces your home.



A HEALTHY RESPECT FOR THE PLANET — AND OUR CUSTOMERS.

Everything we do, big and small, revolves around our respect for our customers — and the environment. We're committed to zero-waste manufacturing, process optimization, sustainability, recycling and the conservation of energy and water. In fact, we put sustainable practices to work at every stage of our process — engineering, testing, product development, manufacturing, transportation and beyond.



HEALTH AND SAFETY

Does not utilize materials that can cause adverse health effects to installers or to you. EMBODIED ENERGY

Requires less energy to manufacture per square foot than fiber cement or brick.



ENGINEERED FOR SUSTAINABILITY

Potential to earn more points in leading green building certification programs and contributes significantly less to global warming than other exterior cladding.



MATERIAL EFFICIENCY

Generates less on-site construction waste than cardboard packaging, brick or lumber.



ENERGY EFFICIENCY

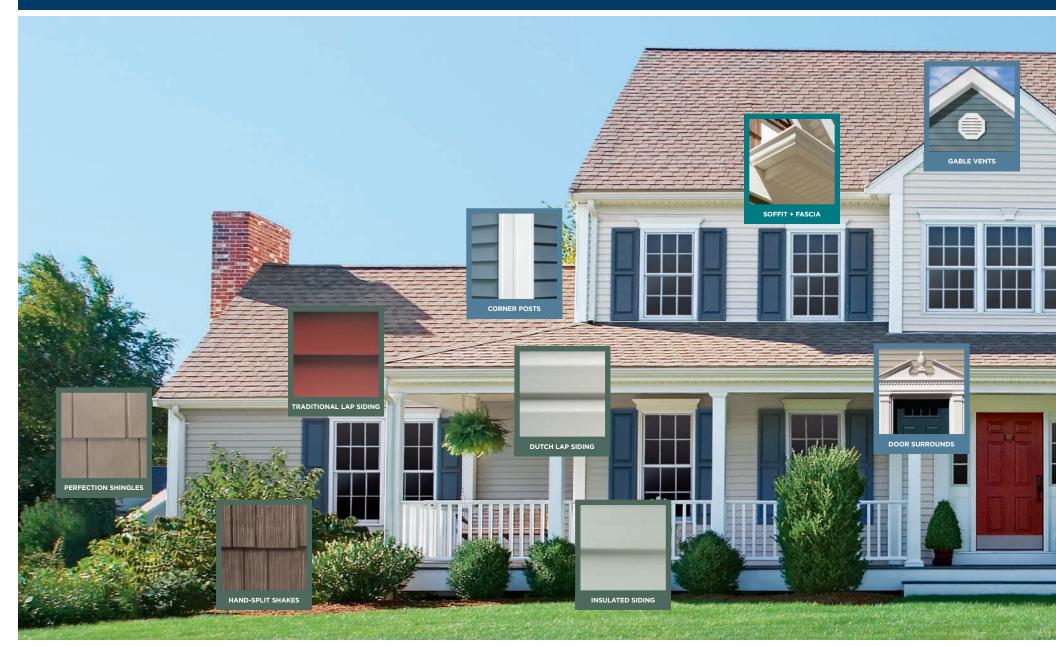
Thanks to its insulated backing, Structure® EPS Insulated Siding, when properly installed, can help meet the performance guidelines of an Energy Star® new home.



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



Genuine Mastic. First in home exterior products.



Only the best. Mastic Home Exteriors is your solution for the finest-quality vinyl siding products and our exclusive Designer Accents[™] collection of finishing accessories. Shutters. Decorative door and window mantels. Corner posts. Blocks and vents. Columns and gutters. All designed to perform — and coordinate — perfectly with your Mastic siding. For uncompromising quality, beauty and performance, insist on a complete exterior by Mastic Home Exteriors.



MASTIC HOME EXTERIORS. THIS IS THE EXTERIOR SOLUTION.





by PLY GEM

PLY GEM SIDING GROUP 2600 GRAND BOULEVARD SUITE 900 KANSAS CITY, MO 64108

800 962 6973

PLY GEM RESERVES THE RIGHT TO ALTER, MODIFY OR DELETE ITEMS FROM TIME TO TIME WITHOUT NOTICE. DUE TO PRINTING LIMITATIONS, COLORS MAY NOT BE EXACTLY AS SHOWN. CONTACT YOUR DISTRIBUTOR OR SALES REPRESENTATIVE FOR ACTUAL PRODUCT AND COLOR SAMPLES.

ALL PRODUCTS MADE IN THE U.S.A.

THIS BROCHURE WAS PRINTED USING 100% ENVIRONMENTALLY FRIENDLY INKS AND RECYCLED PAPER. 7601093611101





CELEBRATING 50 YEARS OF VINYL SIDING QUALITY + INNOVATION