carefree beauty
No paint. No stain. No hassles. That’s the true beauty of Charleston Beaded™. Advanced locking system and nail hem simplifies installation, strengthens fit and adds stability. Our Charleston Beaded brings an architectural classic to life.
Is it any wonder that vinyl siding is chosen more than any other exterior cladding in the U.S. and Canada?

Charleston Beaded™ Delivers.

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

**NO PAINT, NO STAIN, NO HASSLES.** Charleston Beaded, a premium panel, never needs paint or stain. Unlike real wood siding, it won’t crack, peel, flake or rot. Revolutionary technology like Mastic’s exclusive Hang-Tough™ Technology maximizes the panel’s weatherability and delivers additional protection — and peace of mind — for your investment.

**COLOR AND TEXTURE.** Featuring a sculpted, beaded ridge that provides crisp, clear shadow lines — Charleston Beaded is available in 15 base colors.

**PEACE OF MIND THAT Lasts A LIFETIME.** Charleston Beaded 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.

www.vinylsiding.org
December 14, 2009
Beauty that lasts. Based on an average-size home, repainting or staining can cost up to $6,000 every four years. Charleston Beaded™ never needs painting, caulking or patching because, unlike wood, it won’t crack, peel, rot or split.

**NO PAINT. NO STAIN. NO HASSLES.**

**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.

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

**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.
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.
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 it was certified that Mastic vinyl siding products meet or exceed the performance standards set forth by ASTM D3679 and the color retention requirements of ASTM D6864/D7251, so you can have confidence our products will perform well, season after season.

<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>Charleston Beaded is rated at up to 165 mph.</td>
</tr>
<tr>
<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>
</tr>
<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>Charleston Beaded features a premium thickness of .044” — more than 21% thicker than the minimum requirement.</td>
</tr>
</tbody>
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*Consult the VSI website at www.vinylsiding.org for a current list of certified products and colors.*
**THE EXTERIOR SOLUTION FOR Color.**

**CLASSIC COLORS**
- Corn Silk
- Everest
- Scottish Thistle
- Pebblestone Clay

**LIGHT COLORS**
- Victorian Grey
- Wicker
- Sandtone
- Sage
- Desert Sand
- Silver Grey
- Almond
- Classic Cream
- Linen
- Cameo
- White

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**CHARLESTON BEADED 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.

**S6** Single 6-1/2" Beaded Smooth
**ALL** All profiles and lengths

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Explore the possibilities. With our visualizer tool, you can apply different combinations of colors and products to see how they look. Bring your vision to life at mastic.com/getstarted
ADVANCED LOCKING SYSTEM AND NAIL HEM
Precise, secure fastening, easier installation and tighter fit combine to deliver added strength and stability — even in high winds.

WIND SPEED — RATED UP TO 165 MPH

PREMIUM .044 THICKNESS
Superior thickness and impact resistance.

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).

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

CHARLESTON BEADED HAS BEEN GREEN APPROVED BY THE NAHB RESEARCH CENTER.
This means you can be assured that Charleston Beaded complies with specific green practice criteria in the National Green Building Standard. Visit www.GreenApprovedProducts.com for details.

CONTEMPORARY BEAD
Sculpted, beaded ridge provides crisp, clear shadow lines.
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.

A HEALTHY RESPECT FOR THE PLANET — AND OUR CUSTOMERS.

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%).
- 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.
- The Structure® Home Insulation System™ has been third-party verified and Green Circle certified to contribute towards achieving LEED® 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.
- 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.

**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.

**VINYL SIDING ENVIRO SNAP SHOT:**

<table>
<thead>
<tr>
<th>LEED For Homes — Possible Points</th>
<th>61</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEED New Construction — Possible Points</td>
<td>26</td>
</tr>
<tr>
<td>NAHB Standards — Possible Points</td>
<td>42</td>
</tr>
</tbody>
</table>

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.


2. Ibid, page 10

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

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.