

Sustainable Roofing

Majestic & Empire Slate  Seneca & Empire Shake



EcoStar[™]
LLC

www.ecostarllc.com



Thank You

As the leading manufacturer of sustainable roofing tiles we sincerely appreciate your interest in our products. EcoStar was established in 1993 to meet the call for a recycled synthetic alternative to natural slate roofing. That call led to the manufacture of our first line of synthetic products – Majestic Slate. For over 20 years we have been dedicated to protecting precious natural resources by offering our discerning customers products made with recycled plastic and rubber.

Since those early days we have expanded our lines of synthetic alternatives to natural slate and wood shake to include Seneca Shake and our innovative, energy-saving Empire product lines. By utilizing recycled materials in the manufacturing process, our products supply a proven alternative to their natural counterparts with enhanced performance and minimal environmental impact allowing you to reach a new level of “green” with your project.

Many satisfied commercial and residential customers have realized the benefit of adding a durable, environmentally friendly roof that provides unique architectural appeal. We hope you will enjoy the many benefits of an EcoStar roof. For more information contact your local EcoStar representative or visit our website, www.ecostarllc.com, to start planning your next roofing project.

We look forward to working with you!

◀ **Featured left and cover:**
Majestic Slate 12" Traditional. Midnight Gray color blend accented by Designer Series tiles Beveled Edge, Beaver Tail, and 10". Elmira, NY.

“EcoStar products allowed us to create a roof that is no longer just a roof. It is an architectural feature of the house.”

- Jessica, homeowner

“Baker Roofing is proud to be a Gold Star Applicator of EcoStar. Their quality products and innovation are light years ahead of the competition.”

- VP-Sales, Baker Roofing

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Top: Empire Slate
Middle: Seneca Shake, Aspen Blend
Bottom: Majestic Slate

“We couldn't be happier with the product. We have used a blend of 10" and 12" Majestic tiles on several high-end residential projects. Our customers are thrilled with the end result.”

- President, Nutter-Cognac General Contracting

An affordable and environmentally friendly alternative to natural slate, our Majestic Slate line of recycled roof tiles captures the traditional beauty of slate tiles.

Featured below: Majestic Slate 12" Traditional, Midnight Gray blend. Ijamsville, MD.



Majestic Slate

Majestic Slate



Our Original Design

With more than 40 years experience in manufacturing, we are truly a pioneer in the world of synthetic roof tiles. At EcoStar we combine our industry expertise with innovative design and sustainable technologies to create Majestic Slate roof tiles.

Durable Beauty

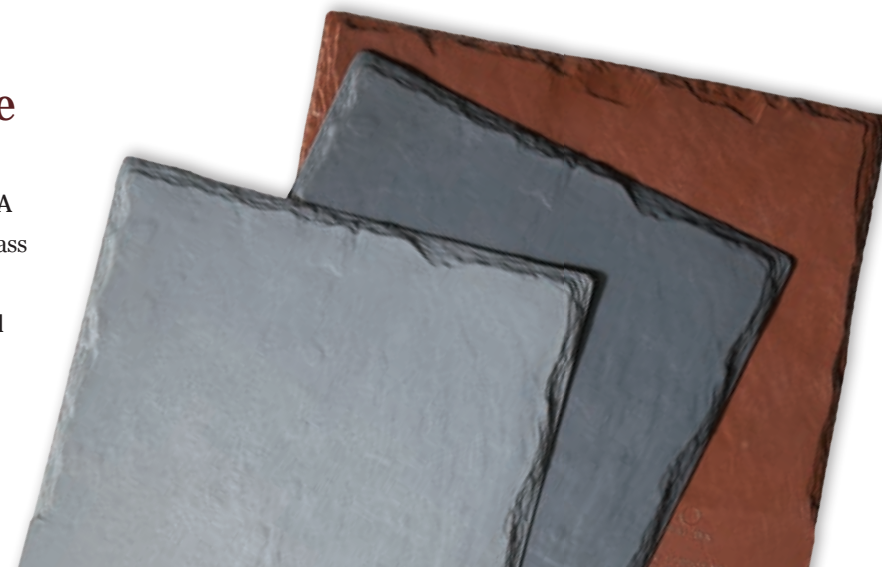
Majestic Slate roof tiles offer beautiful, yet proven protection for your most prized investment. An inspiration to homeowners wanting affordable style and uncompromised performance, Majestic Slate provides long-lasting protection. EcoStar's synthetic slate tiles utilize post-industrial recycled compounds to create a lightweight and environmentally responsible alternative to natural slate.

Significant maintenance and frequent repairs are no longer a worry with Majestic Slate tiles. Manufactured to exceed the industry's most stringent performance standards, Majestic tiles are proven to protect against the most extreme conditions such as rain, hail, snow and fire.

Proven Performance

Majestic Slate is tested and listed by Underwriters Laboratories (UL) as Class A fire resistant, Class C fire resistant and Class 4 impact resistant. EcoStar tiles are also listed by UL for meeting a variety of wind resistance tests.

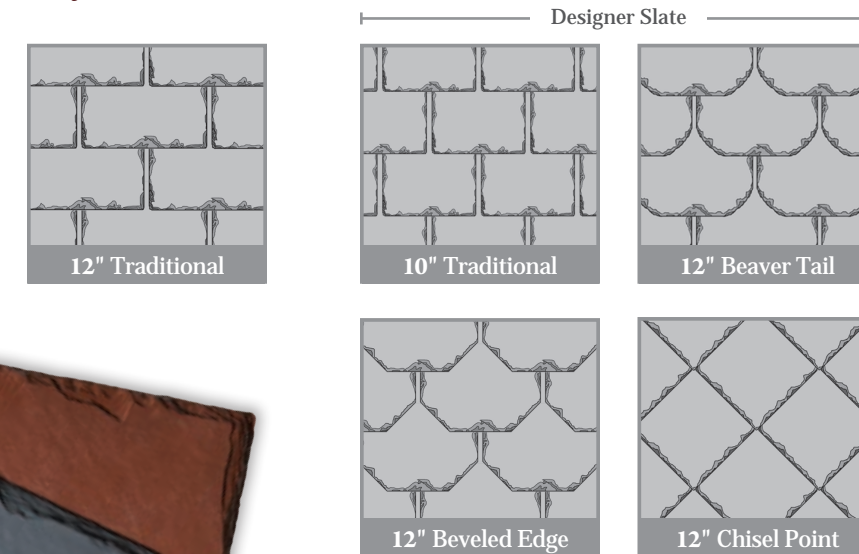
Visit www.ecostarllc.com for our online technical library of application guidelines and product specifications.



Everlasting Style

With 11 colors and 5 shapes to choose from, Majestic Slate offers an unlimited opportunity to create unique and custom designs for any residential or commercial project. Whether your design calls for a traditional Georgian, modern bungalow, or contemporary ranch, our Majestic tile line has the perfect combination of options to enhance the personality of your architectural style. Combine multiple colors or add Designer Slate to create a look that expresses your style and a roof that you can be proud of for years to come.

Majestic Slate Profiles



Why choose just one?

Multiple profiles may be installed for a more custom look.



Colors*
Available in all
Majestic Slate profiles

**Sage
Green**

Black

**Mountain
Plum**

**Midnight
Gray**

**Stone
Red**

**Federal
Gray**

**Cedar
Brown**

**Smoke
Gray**

Driftwood

**Earth
Green**

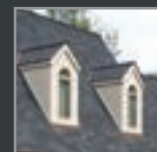
**Chestnut
Brown**

*Due to printing limitations, actual colors may appear different from above.

*These color samples are not representative of all the shade variations within each color group.



Majestic Slate 12" Traditional installation. Custom color blend of Federal Gray, Chestnut Brown, and Cedar Brown. McKinney, TX.



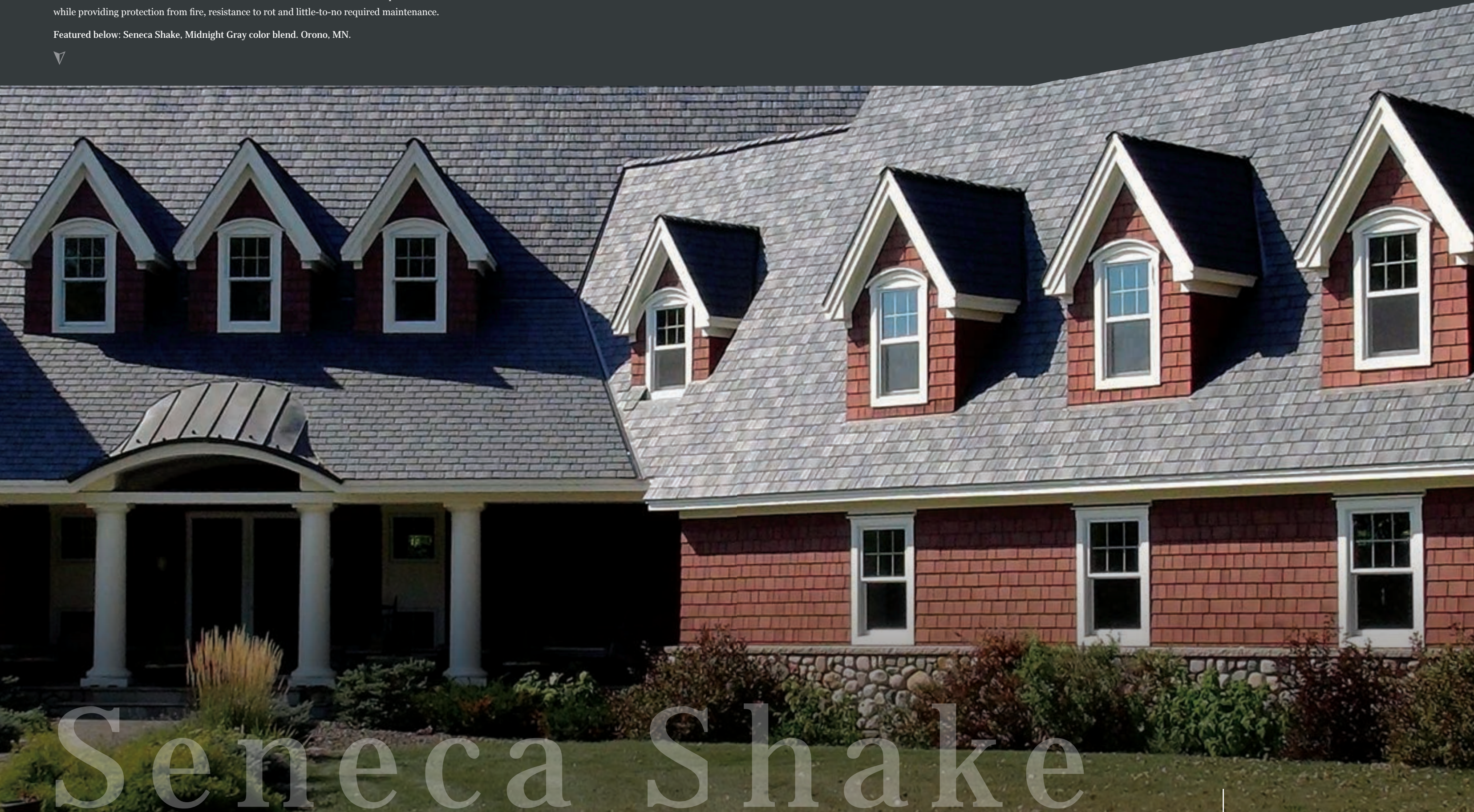
Majestic Slate offers endless opportunities to create a unique and custom look that will make your home stand out from the crowd. Discover design ideas in our online photo gallery at www.ecostarllc.com.

"EcoStar products offer a versatile solution, which meet the variety of needs for our university. With campus facilities and residential homes of both historic and modern structures, EcoStar has a product to fit the unique specifications of each individual project."

**- Director of Design and Construction Management,
Missouri University of Science and Technology**

EcoStar's Seneca Shake and Seneca Plus tiles create the look of authentic hand-split wood shake while providing protection from fire, resistance to rot and little-to-no required maintenance.

Featured below: Seneca Shake, Midnight Gray color blend. Orono, MN.



Seneca Shake

Seneca Shake & Seneca Plus

Intricate

EcoStar Seneca Shake and Seneca Plus tiles replicate the look of natural hand-split cedar shakes. The molds used to manufacture EcoStar shake have been custom crafted using real hand-split wood shake tiles as a template to create an intricate texture that appears truly natural. Compare Seneca Shake to any other synthetic shake product and you will see the difference.

Lasting Charm

Your home deserves the luxury and durability of Seneca Shake. Modern performance and revolutionary technology are built into each Seneca roof tile. EcoStar uses recycled polymers to create shake tiles with color throughout. Seneca Shake is inherently resistant to weathering, rot and cracking therefore annual cleaning and significant maintenance are no longer a concern.

Unlike wood, EcoStar's Seneca Shake provides superior protection from the most extreme elements such as rain, hail, snow, fire, extreme temperature change and UV sunlight. Little-to-no maintenance combined with a 50-year warranty means that you can be confident that EcoStar Seneca Shake and Seneca Plus tiles will be a trouble-free solution with lasting performance for your roof.

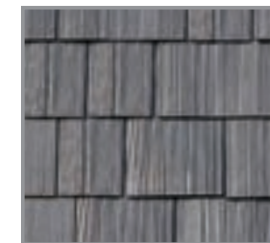
Enduring Protection

Seneca Shake is tested and listed by Underwriters Laboratories (UL) as Class A fire resistant, Class C fire resistant and Class 4 impact resistant. EcoStar tiles are also listed by UL for meeting a variety of wind resistance tests.

To watch the EcoStar installation video, visit our online video gallery at www.ecostarllc.com

Brilliant Design

Available in 11 colors and a variety of profiles, Seneca Shake and Seneca Plus roofing tiles enable you to create the traditional look of wood shake while providing lasting appeal for any home or commercial building.

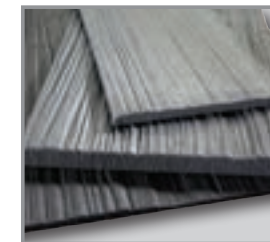


Seneca Shake

EcoStar's Seneca Shake are 3/8" thick tiles in widths of 6", 9" and 12".

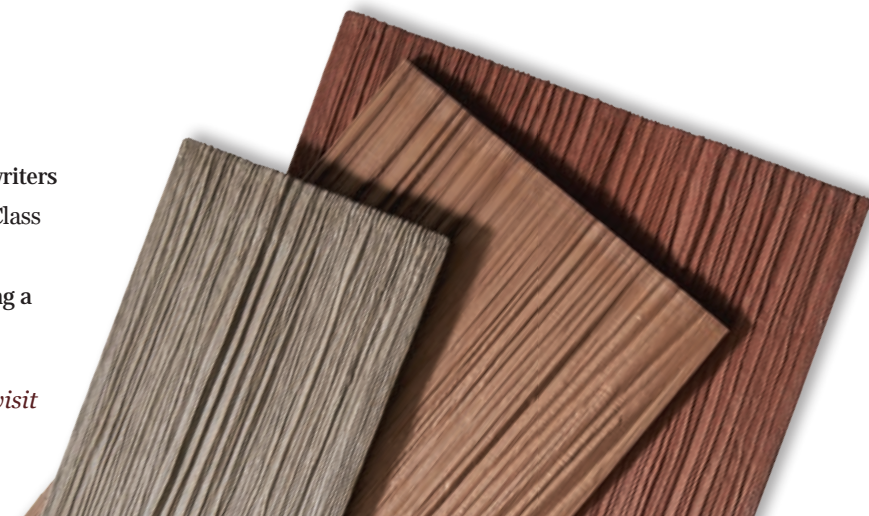
Seneca Plus

Seneca Plus are thicker 3/4" tiles and are also available in widths of 6", 9" and 12".



Aspen Blend

Aspen Blend combines sixty percent 3/8" thick Seneca Shake with forty percent 3/4" thick Seneca Plus to compose a stunning textural depth for an authentic hand-split look.



Colors*

Available in all Seneca Shake and Seneca Plus sizes

Sage Green

Black

Mountain Plum

Midnight Gray

Stone Red

Federal Gray

Cedar Brown

Smoke Gray

Driftwood

Earth Green

Chestnut Brown

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*These color samples are not representative of all the shade variations within each color group.



Aspen Blend of Seneca Shake and Seneca Plus. Color blend includes Federal Gray and Midnight Gray. West Des Moines, IA.

"We take great care in selecting the products that we suggest to our customers. EcoStar products provide the aesthetics that our customers want and offer the durability and a warranty that we can depend on. We have been installing EcoStar roofs for more than a decade and have many satisfied customers."

- Hedberg & Son Roofing

"EcoStar has been a "tried and true" synthetic roof tile in our inventory. Unlike so many synthetics, we have not experienced any quality issues and our roofing contractor base makes this their first choice"

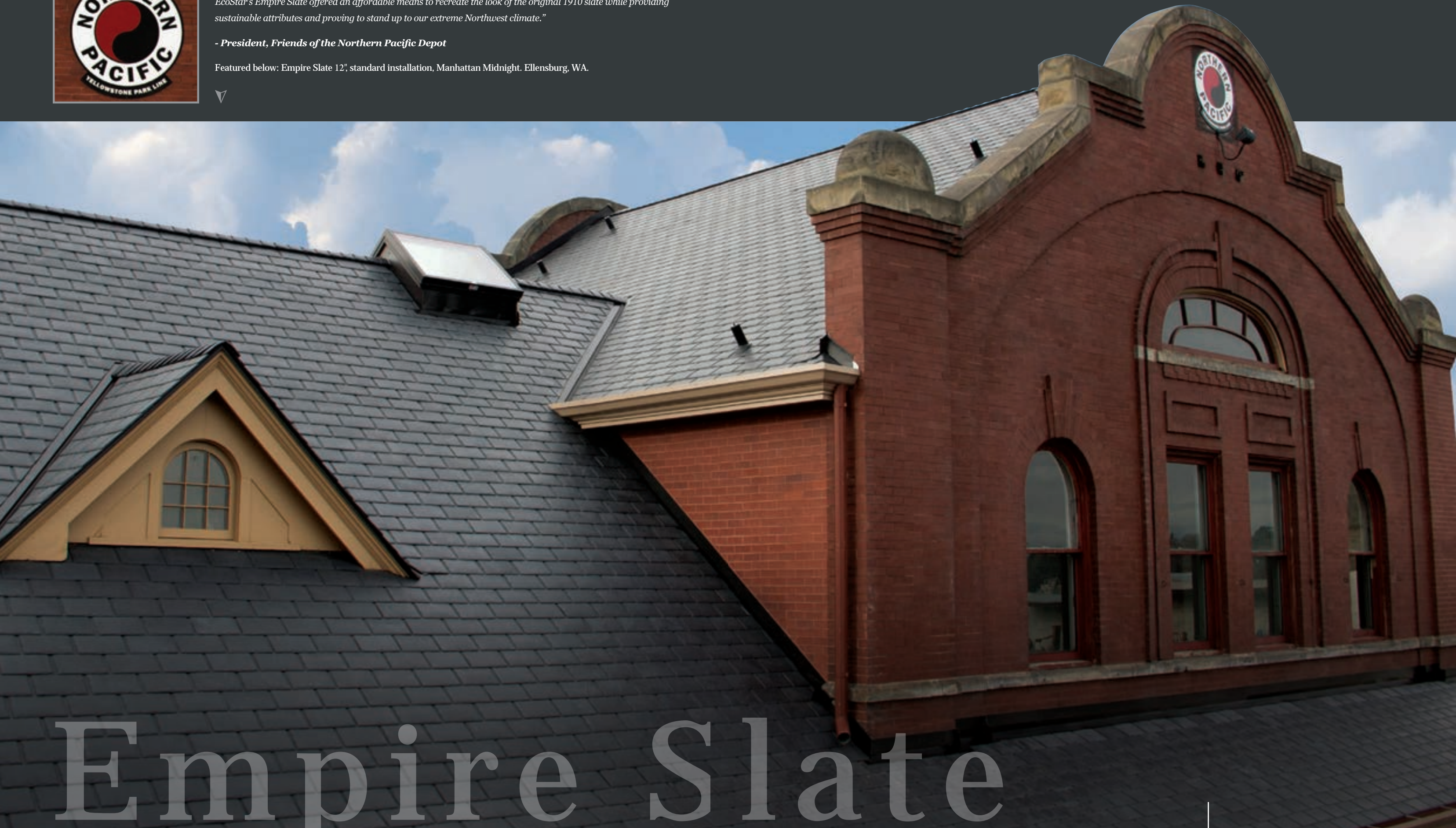
- ABC Supply



"During the process of restoring the Northern Pacific Railway Depot in Ellensburg, Washington, we found that EcoStar's Empire Slate offered an affordable means to recreate the look of the original 1910 slate while providing sustainable attributes and proving to stand up to our extreme Northwest climate."

- President, Friends of the Northern Pacific Depot

Featured below: Empire Slate 12", standard installation, Manhattan Midnight. Ellensburg, WA.



Empire Slate

Empire Slate & Empire Shake



Innovative

Enjoy the savings with Empire Slate and Empire Shake. EcoStar's second generation of sustainable roofing products provides new environmentally friendly features that significantly enhance our premium synthetic roofing tile collection. Maintaining EcoStar's tradition of incorporating recycled polymers in our products, Empire Slate and Empire Shake help divert post-industrial waste from landfills and incineration. Empire Slate and Shake are available in a cool color palette to provide energy-saving benefits by reducing the energy consumed to air condition your building.

Modern Performance

Expert engineering goes into all of our products, creating an aesthetically appealing and durable solution that requires little-to-no maintenance. Our Empire tiles are no exception, giving you a beautiful alternative without the additional structural requirements and durability issues of natural slate and shake. Synthetic tiles will resist breaking and reduce time-consuming preparation activities, ensuring a cost-effective, straight-forward installation. Most importantly you can rely on the long-lasting performance of our tiles which is strengthened by our comprehensive 50-year limited warranty. Visit www.ecostarllc.com for details.

Same Classic Look

Empire tiles are available in all the same profiles and sizes as our Majestic Slate and Seneca Shake tiles. **See pages 4 and 8 for more information.**

Universal Appeal

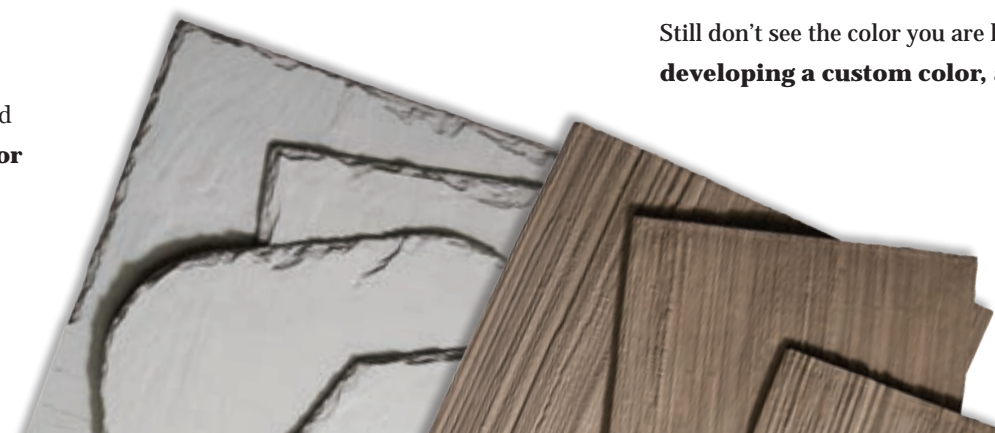
Empire Slate and Empire Shake make ideal choices for homeowners and commercial building owners alike. The compound used to manufacture Empire products is resistant to harsh weather conditions, offers energy saving possibilities, helps preserve precious resources, and reduces harmful carbon emissions all while enhancing the distinction of your building. When compared to natural slate and shake, Empire tiles can save you money on initial product and installation cost, long-term maintenance expenses and energy costs.

Meeting the industry's most stringent performance ratings, Underwriters Laboratory (UL) lists the Empire products for Class A fire resistance; Class C fire resistance; Class 4 impact resistance and a variety of wind resistance tests. As a building or home owner you may be eligible for discounts on property insurance when upgrading to an EcoStar roof, and based on the choice of a cool color, you can provide the additional energy efficiency your building and community deserves.

Unlimited Color Options

The Empire color palette features 12 colors, including 5 soft earth tones, 4 grays and 3 cool colors. Empire cool colors exceed initial Solar Reflectance Index (SRI) standards of .25 for steep slopes.

Still don't see the color you are looking for? **Ask your local representative about developing a custom color**, an option that is always available with Empire tiles.



➤

Cool Colors
Enjoy additional energy savings from our line of cool colors, only available in Empire tiles

Colors*
 Available in all Empire Slate and Empire Shake profiles and sizes

Geneva Grove

Bedford Black

Fairport Fern

Manhattan Midnight

Hampton Harbour

Freeport Federal

Auburn Acorn

Saranac Smoke

Monticello Merlot

Cool

Cool

Cool

Sea Salt

Drifting Dunes

Saratoga Sunset

*Due to printing limitations, actual colors may appear different from above.

The Benefits of Empire

- Cost-effective UL Class A fire rating
- More than 25% recycled content to qualify for LEED® points
- Unlimited color palette resulting in roofing blends limited only by your imagination
- Energy-saving cool colors for low emissivity and high reflectivity



Looking for a more unique look? Choose a combination of colors that will give the visual impact your home or building deserves.

EcoStar representatives are available for information about energy savings and homeowners insurance discounts. Visit our website to locate your local representative.



Top: Empire Slate 12" Traditional, standard installation. Freeport Federal color blend.

Bottom: Empire Slate 12" Traditional, standard installation, Manhattan Midnight.

Commercial Applications



Versatile Solution

With numerous architectural and design factors to consider, selecting the appropriate roof can become an overwhelming task for any commercial architect or building manager. EcoStar offers a wide range of product options to meet these needs with tiles that are engineered to provide the look and beauty of slate or hand-split wood shake, without the typical concerns associated with their natural counterparts. EcoStar tiles are created with synthetic polymers making them lightweight, durable, and easy to install on most roof decks. EcoStar tiles are long-lasting, require little-to-no maintenance, offer energy-saving cool colors, and include up to

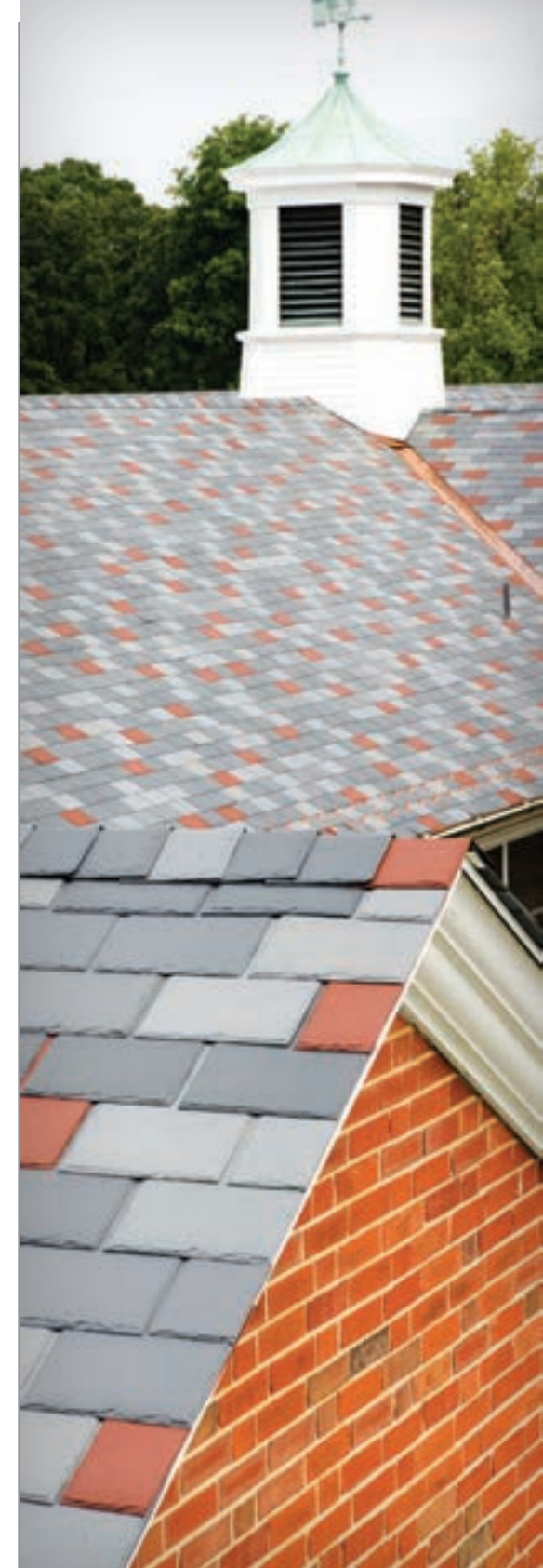
80% post-industrial recycled content. The high percentage of recycled content makes EcoStar an ideal product to contribute points toward LEED® certification. With 7 different profiles and a combined total of 23 colors, building design managers have many options to meet the discerning tastes of those involved in the roof selection process.

As a pioneer of synthetic roofing products since 1993, EcoStar has been a favorite for educational buildings, religious facilities and government projects. Manufactured to exceed the industry's most stringent performance standards, EcoStar is a name that you can depend on.

Certified Quality

EcoStar products are tested and listed by Underwriters Laboratories (UL), the industry's most recognized independent safety science company. We employ the International Organization for Standardization's ISO 9001:2008 quality management standard to monitor each step of our business. From material compounding and product manufacturing to delivery of products and customer satisfaction, our systems ensure that EcoStar products and services consistently meet the requirements of our customers.

For testing reports and quality certification, visit our online technical library at www.ecostarllc.com



Top: Majestic Slate 12" Traditional, Custom color blend of Smoke Gray, Federal Gray, and Mountain Plum. Marcellus, NY.

Bottom: Seneca Shake, Cedar Brown color blend. Colorado.



"EcoStar has accentuated the beautiful Christopher Newport University. It's cost-effective, environmentally friendly and aesthetically pleasing."

- **University Architect, Christopher Newport University**

Featured above: Majestic Slate 12" Traditional, standard installation, Midnight Gray blend. Newport News, VA.

"After reviewing all roofing material on the market we decided to go with EcoStar due to the quality. EcoStar is very durable, reliable and the look is amazing."

- **President, Hoffman's Custom Contracting, Inc.**



Majestic Slate 12" Traditional, custom color blend of Smoke Gray, Federal Gray, and Stone Red. Webster Groves, MO.

Historic Preservation



Monumental Protection

When evaluating the necessary requirements to restore a property to its original grandeur and extend its service life, roofing issues often top the list of priorities. Commonly, roofing materials found on an aged property no longer meet modern safety and building codes, nor do they adequately secure the building from the elements. Replacing and repairing these roofs prevents damage to the valuable history within a building's interior, a critical component of preservation. EcoStar products offer a long-term solution to safeguard a property's priceless assets by providing premium protection from exposure to the elements. Due to past weather damage

and re-roofing, the existing roof may misrepresent the original building design intent. This departure from the intended architecture often detracts from the building's grandeur and beauty. EcoStar products make it possible to match the distinctive look of the original roof while meeting modern day performance expectations. Available in numerous tile shapes and profiles, along with 23 color choices, it is easy to recreate the appeal of an original slate or shake roof.

Majestic Slate has been widely accepted by preservationists and historians for more than 20 years.

A Common Cause

Natural slate began to appear as a favored roofing material back in the Medieval Period. Popular in European design and once thought of as an abundant resource in the Americas, natural slate as a roofing material grew in popularity during the early development of our nation. It is important to continue restoring historical buildings in an environmentally friendly manner. Replacing old roofing materials with modern and more efficient synthetic tiles helps to limit the use of natural resources, reduce waste and minimize our carbon footprint. Focusing on reducing, reusing and recycling promotes the lasting benefits of conservation while allowing us to protect our cultural heritage.

Contact your EcoStar Representative to evaluate product samples for your next restoration project. **Visit www.ecostarllc.com**



Majestic Slate 12" Traditional, accented by Designer Series Beveled Edge tiles. Custom color blend of Smoke Gray, Federal Gray and Stone Red. Rolla, MO.



"We were grateful to find EcoStar to replace the old leaky roof at McCoy Memorial Library. The 1884 building needed a product to withstand hail and wind and would look like that of the original unique shaped slate. Majestic Slate Chisel Point created the perfect harmony of modern performance and an original look for our beloved library."

- Mayor Richard Dietz, City of McLeansboro, Illinois

Featured above: Majestic Slate Designer Series Chisel Point tiles, Smoke Gray. McLeansboro, IL.



Top: Majestic Slate 12" Traditional, standard installation. Smoke Gray color blend. St. Louis, MO.

Bottom: Empire Slate 12", standard installation of Manhattan Midnight. Ellensburg, WA.

www.ecostarllc.com 16



Sustainability

Environmental Responsibility

We live in a world of finite resources that continues to grow and change. Taking responsibility today for those resources will help to preserve our world for the future. As consumers, making different choices can make significant differences in our economy, environment and society as a whole. Before making a purchase, consider a product's qualities such as: renewability, durability, longevity, origin, contents and the impact it has on our overall safety and health. Opting to make environmentally sound decisions builds momentum towards a more responsible culture.

The EcoStar Difference

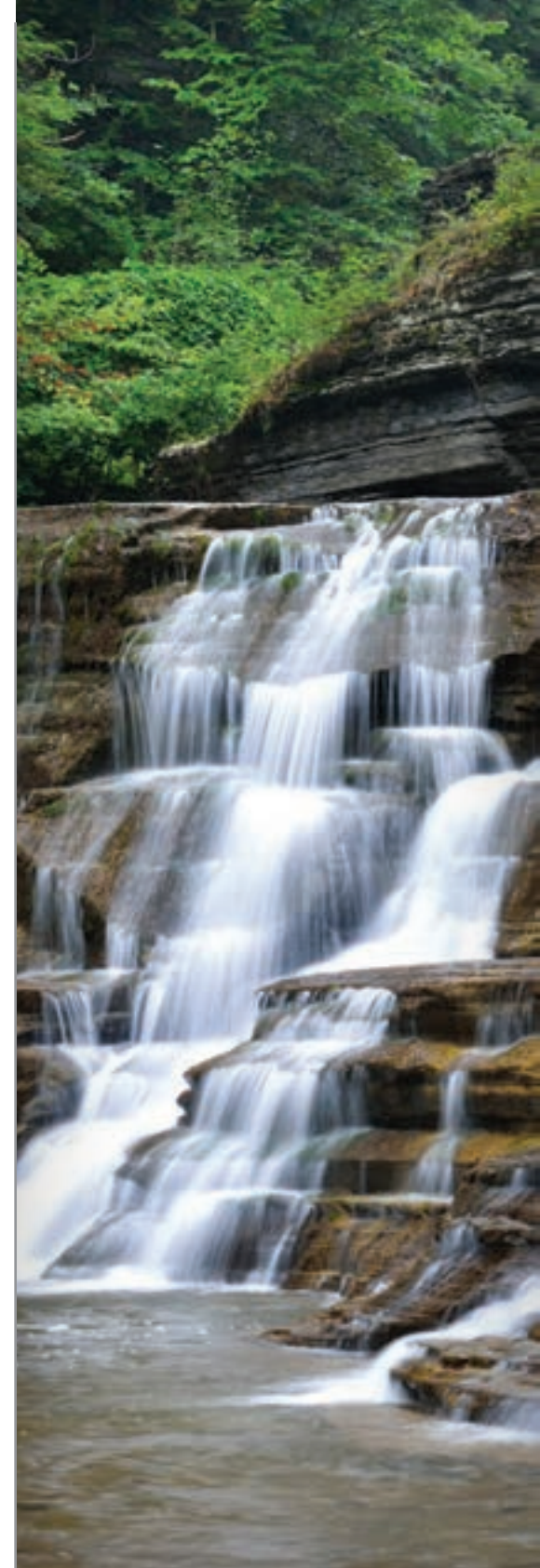
Many companies claim to make or deliver "green" products and services. Take a closer look to confirm whether those claims truly apply. Committed to improving our future, EcoStar utilizes up to 80% post-industrial recycled materials, thus diverting millions of pounds of unnecessary waste from landfills or incineration annually. No trees are cut down and no slates are quarried for the manufacture of EcoStar products, preserving those natural resources essential to cleansing pollutants from the air, providing habitat for wildlife and promoting a healthy ecosystem.

An EcoStar roof offers a long-term solution with little-to-no maintenance and can outlast the lifespan of many alternate roofing products by as much as five times. Available energy-conserving attributes and proven resistance to extreme elements make EcoStar products the top choice in protection and security for environmentally conscious building and home owners.

Made in the USA, in the Empire State. EcoStar is located in Holland, New York, proudly supporting local jobs and businesses.

Choosing EcoStar products helps to divert millions of pounds of industrial waste from landfills annually, preserves natural resources, conserves energy and reduces impact on the environment as well as reducing our carbon footprint.

Download the EcoStar LEED submittal at www.ecostarllc.com/content/13



Empire Slate 12" Traditional, accented by Designer Series Beveled Edge tiles. Manhattan Midnight color blend. Newburgh, NY.

No trees are cut and no slates are quarried for the manufacture of EcoStar products, helping to preserve natural resources.



EcoStar LLC—pioneers of sustainable roofing since 1993.



Choosing an EcoStar roof helps protect the natural beauty of slate waterfalls for future generations. Robert H. Treman State Park, Newfield, NY.

Warranty & Accessories

Complete Protection

A standard 50-year Limited Material Warranty is offered at no extra charge with the purchase of an EcoStar roof. To ensure that your EcoStar roof will perform at its best, consider the benefits of our transferable 50-Year Gold Star Limited Labor & Material Warranty. Following installation, a roof inspection is provided to certify that your EcoStar roof meets our Gold Star standards for quality and craftsmanship.*

Choosing the appropriate installer and selecting the proper accessories is critical to the overall performance of a roofing system. EcoStar's extensive network of skilled Gold Star Applicators have been professionally trained to provide you with a remarkably beautiful installation. EcoStar offers a full line of accessories which are proven to enhance the longevity of a roofing system.

*Warranties must be registered with EcoStar LLC to be valid. Visit www.ecostarllc.com for terms, conditions and limitations.



1



Glacier Guard

Glacier Guard is an impermeable self-adhering membrane, offering enhanced protection against moisture penetration from wind-driven rain and water backup caused by ice dams.

2



Aqua Guard

Aqua Guard is a versatile roofing underlayment offering a stronger and lighter alternative to traditional felt. Offering premium protection from moisture and resistance to cracking or drying in extreme temperatures, Aqua Guard is ideal for residential and commercial applications.

3



EcoStar Fasteners

Composed of stainless steel, EcoStar Fasteners provide superior pull-out strength and resistance to corrosion and staining. Available in coil ring shank and hand drive ring shank, EcoStar Fasteners offer a tensile strength and lateral load, much higher than that of traditional steel fasteners.

4



EcoVent

EcoVent is a continuous tile-over ridge vent that efficiently removes moisture buildup in the attic space of a building, helping to prevent mold and mildew growth and effectively reducing the building's cooling costs while extending the life of the roof.

5

EnBase

EnBase is a rigid roof insulation composite panel, available in a large variety of options to meet the long-term thermal resistance value (R value) needs of your project. Versatile and easily installed, EnBase is an ideal solution to maximize energy performance for new construction, re-roofing, commercial, and residential steep slope projects.



A roof as reliable as it is beautiful is the result of having certified Gold Star Applicators at every installation

Withstanding the Tests

- 110 mph wind warranty available
- Prolonged UV exposure (ASTM G155)
- UL listed Class A and Class C fire resistance (UL 790) available
- Class 4 impact resistance (UL 2218)
- Nail pull-through (ASTM D31-63)
- 50-year product warranty available

Proudly approved or certified by the following organizations:



Visit www.ecostarllc.com for a complete listing of approvals and certifications.

*LEED® and related logo is a registered trademark owned by the U.S. Green Building Council® and is used with permission.



Our reliable protection encompasses every component of the EcoStar roof installation, including the underlayments, fasteners, and ridge vents.



42 Edgewood Drive | Holland, NY 14080 | 800.211.7170

Durable, sustainable building product



Made with recycled rubber and plastic



Less than half the weight of natural slate



Class A and Class C fire ratings available



Class 4 impact resistance rating



50-year transferable warranty available



Visit our website and social media channels to learn more about our line of products, discover design ideas, and find out how you can get your own EcoStar sustainable roof.

www.ecostarllc.com



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